

Maclean's

Canada's

Weekly Newsmagazine

March 13, 2000 www.macleans.ca

Sandra Schmirler

1963-2000

A National Treasure

Descent Into Alzheimer's

'I live day by day. People like me don't look funny or babble. But we will eventually die of the disease that has destroyed our minds.'

By Christopher Young

The Youngs at home in Ottawa

\$4.50



5511370001 9



A seismic shift in the country

When my big boss, Ted Rogers, set down his work with two coats of the new global economy, it was inevitable that the speculation would fly. Had Michael Armstrong, chairman and CEO of AT&T Corp., come to town to make another deal with Rogers or to make a bid for the CTV network? No, and the head of the world's largest communications network. He had joined Rogers and George Bell, CEO of California-based Excite@Home, simply to be "godfather" at the birth of a new Internet portal, Excite.ca, which supplies Canadian content in the pocketed Excite format.

Still, whenever media barons gather these days, the assumption is that they are talking expansion and partnership (but not control). Rogers, the national-us. (read) AT&T already holds a 16-per-cent interest in Rogers AT&T Wireless and is the largest shareholder of Excite@Home.

The future ownership structure of Canada's media is not the only area of intense speculation. There is the sense of a seismic shift taking place in the country; that many institutions are facing dramatic change.

It is not just the internet dot-com millionaires playing the U.S. markets. It is not just Finance Minister Paul

Martin's raising of the ceiling on foreign (i.e., U.S.) content for registered multimedia plans in last week's budget, or even the beginning of his march toward parity in carbon taxes with the United States (page 38).

There is, as well, Alberta Premier Ralph Klein's revolutionary bill to li-



Rogers (left), Armstrong, Bell, partners

cence for-profit medical clinics—a move that someday could open the door to U.S.-style private hospitals. Klein heatedly denied that sometime last week as he introduced the so-called Health Care Protection Act with a first article that reads "No person shall operate a private hospital in Alberta" (not available at www.atsuregistry.ca/sb).

In the 1980s, critics of free trade dis-

missed it as an attempt to "hamstring" exports, as well as services. With his budget last week, Martin certainly took the first step towards harmonization of corporate and personal tax rates. Few Canadians can object to that initiative. But will greater tax symmetry be accomplished without a reduction in cherished services and programs? Will Alberta become the harbinger of a national move to privatized hospitals? Would Canadians accept such a change? Are we becoming more disposed to the American way?

It is a very powerful pull. Many people struggling with the present health-care system probably would favor any improvements, even if they had to pay for them. American content dominates our screens and theatres. On the personal finance front, legislators have already voted with their inaction, buying up U.S. stocks and property. One thing is clear: for Canadians, retaining a distinct identity will be the issue of the 21st century.

Robert Lewis

robert@newsroom.ca to comment on From the Editor

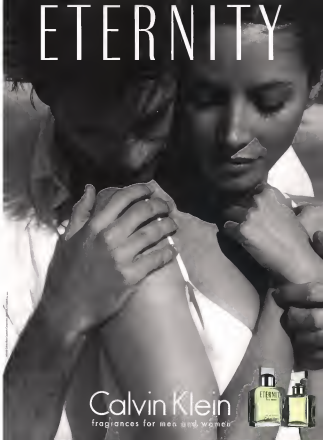
Newsroom Notes Alzheimer's revisited

This is the second time in two months that we have devoted our cover report to aspects of Alzheimer's disease. The Jan. 17 issue, "All in the family," focused on the lack of facilities to care for the increasing numbers of afflicted Canadians

This week, we examine the mysteries surrounding Alzheimer's causes and the search for a cure (page 30). The opening story is a poignant first-person account of one man's experience with Alzheimer's. Longtime editor and foreign correspondent Chris Young, a nephew of Lester Pearson, tells how his universe has unfolded since he was diagnosed in 1998. With the disease in its early stages, he reports a declining interest in reading, an

inability to handle arithmetic and—most devastating—the loss of his driver's license. Senior Writer Barbara Wickens wrote of developments in Alzheimer's research while her colleague D'Arcy Janusz reports on the studies of two other devastating neurodegenerative diseases—ALS and Parkinson's. The package was edited by Associate Managing Editor Robert Marshall and designed by Associate Art Director Gaelle Sabatini.

ETERNITY



Calvin Klein
fragrances for men and women



'Farmers on the edge'

Whether we like it or not, one of the realities of globalization is that Canada now has far too many high-production-cost farmers. "Winter of discontent," *Cowen*, Feb. 280. This is not the fault of farmers, who find themselves the victims of Canadian costs and geography, as well as the mistakes of other major agricultural countries. Instead of con-

sidering off-farm employment. Let them sell their farm assets while they still have value, without fear of claw-back penalties. Give their more efficient, downsized neighbours low-cost or no-cost loans so they can expand without the consequence of crushing debt. Governments and private enterprise give their employees bailout packages when they downsize. It's time for Canadians to show their gratitude for inexpensive, high-quality food by doing the same for farmers.

Paul Bailey, St. Catharines, Ont.

Sorry, but the romance of the family farm is as dated as feudalism. A century ago, my father did all right homesteading 3,000 acres southwest of Medicine Hat, Alta., then an economic zone for a family. He died in 1925, and neither sold out to the neighbours, making for an enlarged ranch of 6,000 acres, by then the required size for an economic family operation. By the 1940s, the ranch was enlarged to 9,000 acres with the need to any competitive. In the '80s, the last remaining son of the original homesteaders in this valley sold the 9,000 acres to a cattle company. Some said, did they all over the West.

George Adkinson, Calgary

I was born and raised on a farm in Alberta. The year before I started farming on my own, barley sold for up to \$3.25 a bushel. I put in my first crop and sold barley that full for \$1.90 a bushel. If I go broke or get carved out of farming, the land doesn't miss a year of production because I am not there. If the next person to take over the land can't make a go of it after a few years, then there is another person after that to try again. The government pays lip service to helping the farmers, but has no real interest in changing anything because the commodities are still being produced. The

Best man for the job

On Feb. 26, I was given one more reason to be proud to be a Canadian. On that date, the NDP of British Columbia chose their new leader and premier Ujjal Dosanjh, not to be politically correct by electing someone from a visible minority, but to choose where they believed to be the best man, regardless of his ethnic origin or the fact he was not Canadian-born. ("Sikh power," *Cowen*, Feb. 21). This speaks volumes for the people of British Columbia, a province that in its history has known a lot of racial intolerance.

Moody Louder, Victoria

farmers on the edge being squeezed out can't equal all they want, but it is only a short squal and then they disappear.

Berry Lutz, Osoyoos, Alta.

Saskatchewan farmers are micro-managed far too heavily by a provincial government perpetually hell-bent on re-election, and a greedy Canadian Wheat Board. Farmers need someone who really cares, a premier to stand up for them, help them diversify and save for the tough times. We in Alberta have learned firsthand that hard work, good government and a strong leader can make all the difference in a floundering economy.

Glen Sanderson, Drayton Valley, Alta.

Canada in the Sudan

From the moment he asked me to lead an assessment mission to the Sudan, I have been in close touch with Foreign Affairs Minister Lloyd Axworthy, and I can say that his intentions are exactly what Canadians would want in connection with the Sudan: to do whatever he can to promote human security for the people there. He was guided by my advice that, at this time, we should be trying to accomplish this through means other than applying sanctions, which would not, I argued, stop oil flowing. He has also put this issue on the agenda of the UN Security Council, where his predecessors and foreign counterparts did not. I think Bruce

"We've been trying to tell you butter is made with only wholesome ingredients, like cream. But all you ever do is drive by and honk."



A Saskatchewan farm rally. *Tip: service*

continuing with the failed system of doing our meat money. Agriculture Minister Eyle Vincler should be looking for new and innovative solutions. For example, well before the desperation levels described in your cover story are reached, offer easy-to-qualify-for training programs and generous living allowances so farmers can use their multiple skills



Letters to the Editor

Letters to the Editor should be addressed to: Mailbox 100, 1000-1000 St. James St. W., Toronto, Ont. M5P 1A7. Fax: (416) 593-7130. E-mail: letters@toronto.ontario.ca. All letters are subject to editing for space, style and clarity. Please include name, address and daytime telephone number. Subscribers may appear in Mailbox 1000-1000 St. James St. W. E-mail queries about subscriptions or delivery problems should be sent to: letters@toronto.ontario.ca.

Butter. Nothing but good stuff
www.myrecipes.org





THERE IS
A NEW WAY
TO GO.

excite.ca

WHAT WILL YOU DO?

Overture

@madeans.ca

Edited by Anthony Wilson-Smith
With Shonda Dwyer

Over and Under

Ooh, Canada!

The hills are alive with the sound of Yachan. Dough—may—Me!!

◆ **The Other Team Canada:** Rock-'em, sock-'em team wins international Gold Cup. The Maple Leaf forever!

◆ **Paul Martin:** Popular budget eliminates tax-bracket creep, then he's re-named for top IMF job... Be nice, Jean Chrétien, you need him.

◆ **The PM:** APEC inquiry commissioner to PM: please come and notify PM so criminals drop dead.

◆ **Jane Stewart:** Opposition ignores budget, accuses Conservative-bashing. Consolation prize: Martin gives her more money to give away.

◆ **Best Western hotels:** American company gets message: all smoking. Calgary is destination from hell isn't cool. If they wanted a city Canadians really love, there's always Toronto.

◆ **Bernard Lord:** Derr, he said. New Brunswick premier refuses tolls on new highway stretch. Private this, Mike Harris.

◆ **Alexei Yashin:** Ex-Osaka Sena are another fine, charming to al sit out in Switzerland, to demand more money and to insist on trade. Tania's response: no play, no pay, no way. How do ya like them Aps, Alexei!



Trend Watch: Women's Work

"You've come a long way, baby," says the long-standing cigarette ad aimed at women. In income terms, that's true—but not all the way yet, according to a recent study by Statistics Canada.

The paper chase is often a more rewarding these days.

It shows that women's weekly earnings rose 12 per cent between 1989 and 1996, while that of men fell marginally in general, the only men whose income did not sag were at the highest earning levels. All levels of women made more money: low-end earners improved their lot the least. More women are moving into high-paid occupations and fields of study at a greater rate—but they still lag behind men in overall earnings.

Overheard

Spies "R" Us

It sounds like a cue for Casper the Friendly Ghost. During the 1990s, London's Sunday Times reported recently, Margaret Thatcher wanted to eavesdrop on two cabinet ministers' telephone conversations, so she turned to... Canada. The Times quoted former Canadian agent Mike Frost as say-

ing Britain's General Communications Headquarters subcontracted the job because it was "too politically sensitive for GCHQ itself."

Frost, who retired in 1993 after 20 years service, said the operation was part of the world-wide intercepting system codenamed Echeion, which can process millions of messages a hour. Canada is a participant. No comment from the government involved.



Spies vs. Spies: what are they really thinking?

Word for Word

'Exterminate'

Last week, Daniel Jackson the master of both ranking Nazi Adolf Eichmann, it is to be used in a label call involving alleged Holocaust denier David Irving.

Irving described this passage—which recounts how *Leitfahnd* *Nachricht* of the SS informed Eichmann of the planned genocide of Jews—as "the only true document of the Holocaust." Because it contains clear the role of Adolf Hitler. "The Führer has ordered the physical



Daniel Jackson

extermination of the Jews. [A Nazi official in Poland] has received from the Führer the necessary instructions. He was told to use the trenches dug up tank traps. I went to know what he does and how he has done. Go see him and report back to me."



www.hummer.com/bridges-are-for-mortals/

Go places and do things impossible in any other wheeled vehicle. Over a video of this Hummer fording 30' of water at the wet waters above.





Money. Time. Occasionally, your derrière.

The MasterCard® Corporate Purchasing Card helps save them all.

It lets you tailor spending guidelines to individual employees, departments, or even divisions so you're always in control of what's being spent. And as for messy paperwork—no more. Superior data capture does it all for you (which means less room for human error, and a lot less work). You can even access information as often as you need with software like MasterCard Smart Data for Windows®. And, of course, no card's accepted at more places than MasterCard.



®Windows is a registered trademark of the Microsoft Corporation.

Rock 'n' Remember

Juno these fun facts?

From mobile sex fillers to Celine's many faces, Canada's music awards offer something for all.

At last year's Juno Awards on March 12, the crowd in attendance will include people who have never had a hot record, never been called back for an encore, and are not on break from touring. They are sex fillers, one in six in every seat when someone gets up to go onstage—or to the washroom. Nancy Rayner, a 30-year-old marketing consultant, tells how it is when you try to just blend in.

At last year's Junos in Hamilton, there were hundreds of sex fillers. We were kept in a holding place behind the camera. At noon at the show started, a co-ordinator pointed at me and then towards the stage. I went to the front row and slid into the seat facing the presenter's podium. I realized I was in Celine Dion's seat because people around me were all talking about him—obviously friends of his. When I sat down, they looked at me as if to say "Why is this

strange person sitting where Celine is supposed to be?" They kept staring until I said "I'm a sex filler." Then, they were fascinated. Although you're not supposed to start a conversation with anyone, these people wanted to talk. They kept offering beer runs and asking questions. We were having fun. While I was in his seat, Celine Jones performed and won an award. At one point, I was picking up someone's glasses on the floor when I felt this hand on my knee. When I looked up, it was Colin Jones. I got up, said "Congratulations," and went back to my holding cage. I was immediately sent back out. That night I must have sat in 30 spots, including behind Celine Dion and beside members of Sloan. Every time, the same thing happened. I had to explain to those around me that I was a sex filler. I belonged there.



Old trophy

New trophy

Winners and Wardrobes

Like most other entertainment awards shows, the Junos can be counted on to highlight both impressive accomplishments—and absolute fashion faux pas. Some examples of both in past years.

Miss Juno (for the artist receiving most awards in 28 years) **Anne Murray**, 25
Runner-up **Celine Dion**, 20

Don't acknowledge **Murray** at the awards in 1997. "She started everything and opened up so many doors for us."
Longest win streak in one category: **The Good Brothers**, best country band from 1977 to '84

Most Junos in one night: five, to **Alain MacIsaac** in 1996
Unusual Outfits

- 1977 **Bryan Adams** of **Sweeney Todd** in drag; gaudy-looking **Rory Rolfe**—title of his group's top-selling single
- 1981 **Ronnie Hawkins** arrives onstage in **Rollie Hayes**, and catches and rips pants in **cut dress**
- 1985 **K.d. lang** wears a white wedding dress to accept an award
- 1997 **Ashley MacIsaac** performs in a **dalmatian costume**



Adams

Celine Dion has many faces—and hair and clothing styles. Below, some different ways she has appeared while accepting Junos in past years.



1993

1995



1997

1999

Over the Shoulder

Jeff Martin of the **Tin Party**, Juno nominee, best group

"I'm reading *The Periodic Elements Selected Works* by **Ralph Waldo Emerson**. It has gone straight from a really great read. I'm also reading *The Habits of Highly Discontented Media* by **Norman Solomon**, which gives an inside look at the hyper-commercialized world."

Raine Maida of **Our Lady Peace**, Juno nominee, best group



"I'm always interested in books related to the human condition. At the moment I'm reading *Conversations About*

the End of Time, which includes an essay by **Umberto Eco**. It's about the apocalypse and the new millennium. Eco is one of the biggest intellects to my mind."

Choclair, Juno nominee, best male artist



"I just recently got into reading novels, so I read *How Sells Got Her Green Book* by **Terry McMillan**. I wanted to see how the movie matched up with the book. I liked the movie better. I like the visuals. Now, I am reading *The Air Opened* by **(nappi)** like I. Even if you don't agree with his standpoint, he makes a lot of good arguments concerning social issues, like people growing up in poverty areas."

TRAVELtestBUYS.com



The reforming of Reform

In the mid-1990s, a veteran political journalist spent several hours one Friday afternoon interviewing Preston Manning. As always, Manning was generous with his time, and gave thoughtful, measured replies. The next day, the reporter was sitting across Parliament Hill when he bumped into Manning. The two chatted for several minutes about uncorrelated things until Manning, looking slightly baffled, said, "I'm sorry, but where do I know you from?"

Like so durable Manning, these exchanges reflect several reasons of the man. It's hard to think of another politician who has faced more sustained mockery and hostility from the media over the years, but remained so courteous and uncomplicated. (Well, OK, Joe Clark, but he often gets grudging admission for his perseverance.) But usually for a politician, public contact seems one of the things Manning likes least about his job. It's not that he's hostile usually; he's just completely unengaged. People who assure by Manning and have known him for years will tell you he's not innately warm—he doesn't pretend to like the mushy-fuzzy component of his work. Manning is part policy wonk, part political justice in many ways, he might seem more comfortable as a backroom operative, creating strategies for others. In fact, that's some of what he did in his days as a consultant prior to founding the Reform party in 1987.

These days, in the United Right movement controversies of faith to reform and secession itself, you have to wonder whether Manning the Political Theorist is hating Manning the Public Political Leader. On the face of it, the decision of the Reform party to change its name makes sense—though the chosen new moniker, the Canadian Reform Conservative Alliance, doesn't exactly call off the canine. Historically, the party's popularity peaks at about 20 per cent, and it must roughly double that to win power. Reform needs to be reformed, and a name change might help that process.

Similarly, there's some logic to Manning's willingness to throw the leadership of the re-created party up for grabs, and enter the race to join another candidate. If Manning wins, it would give him renewed moral authority, and allow him to reshape the party in a way to give himself more direct power. Besides, the gamble isn't really as risky as it sounds. The overwhelming majority of supporters of the new party are Reformers who back Manning. And the timing of a leadership convention—on the eve of June—probably assures other conservatives can't move fast enough to snatch his momentum.

That's the kind of logic that prevails when political pragmatists get together to meet, grow and bloodily plot strategy. But what it lacks is a recognition of a key strength—some emotions. Despite what they call it in university, "political science" is a

manuscript, there's seldom anything linear and orderly about the process that persuades people to vote the way they do. Politicians get bonded early in life with a specific image, and there's little they can do to change it. Many Canadians still see Clark as the same deadpanly earnest and somewhat irritatingly reserved fellow who first came to their attention in the 1970s. That's both his strength and weakness. Jean Chrétien has long been known for his mangled syntax and combative manner, and he's smart enough to cultivate that simplistic image in a way that leads rivals to consistently underestimate him.

By now, Manning has been a professional politician for more than a dozen years, and a voracious MP for 35 (he first ran for Parliament as a Social Credit candidate in 1965). The jump in his speaking tone and Jeremy Stewart cadence are indelible parts of his image, and the fashion, make-overs, eye surgery and speaking lessons Manning has undergone in recent years—all fairly standard in political circles—haven't changed perceptions. At the same time, few people stay tuned to every nuance of policy discussions, so recent changes in his stance on official bilingualism and an equal, elected Senate aren't likely to move many votes around.

Manning's problem is that he is, despite, in effect, that the only way Reform can become the governing party is by changing the way it is perceived by voters. That's fine, but the easiest way to do that is by changing leaders, which isn't exactly what Manning has in mind. It's not hard to think of charismatic, relatively young potential successors who could light a fire under the country's conservative movement—for former Reform MP Stephen Harper, caucus chairwoman Deborah Grey and Ontario provincial Tory lieutenant-governor Tim Long come immediately to mind, but none are going to run. That leaves bright, bilingual and intelligent Alberta Minister Stockwell Day, who will make up his mind in the next couple of weeks. If he runs, he'll immediately trouble for Manning. But if Day runs and loses, it might be even worse for Manning, because it could create the impression that he's beating up on the party's Great Electoral Hope.

There could be golden times for Canada's right. Forget the polls that show the Liberals far ahead these days, the "intendables" as pollsters call them, indicate many voters are staying with the party only for lack of a credible alternative. If Day doesn't run, and Manning wins the 2000 race in a walk, many voters will see only a steady diet ahead of same-old, same-old politics. A newly named party only seems new if there's something noticeably fresh about it, such as its leader. Without that, there's no buzz, so recede a phrase, everything new seems old again. Just what the Liberals want.



Adventures in Wieboland

By Brian Bergman in Edmonton

I have a great love for freedom of speech

—Wiebo Ludwig, in one of many rants scowled during his ongoing criminal trial

The ritual is, by now, well-established. At least once a day, sometimes twice, Wiebo Ludwig emerges from Edmonton's Law Courts building to face a phalanx of television cameras and microphones. In calm, even tones, the former Christian Reformed minister comments on the latest evidence in his trial on 18 counts of mischief and conspiracy related to vandalism and bombings at oil well sites—as well as one count of alleged extortion against an Alberta oil company. Even when the testimony is not going his way, Ludwig remains

cal: crusader who has spent more than a decade loudly decrying an oil and gas industry he claims is spewing life-threatening toxins into the atmosphere. He is also the patriarch of a 35-member loosely Christian commune based on an isolated quarter-acre of land known as the Tickle Creek farm, near Hythe, Alta., 550 km northwest of Edmonton. The commune is largely made up of the extended families of Ludwig and Richard Boersma—the 54-year-old co-accused on the 18 vandalism-related charges.

According to Crown prosecutor George Gamble, Ludwig is more than just a dour crusader. On Feb. 14—in the case of a trial that is expected to last up to three months—Gamble portrayed Ludwig as a man so motivated by greed that he used both threats and acts of violence to drive up the asking price of his farm. At last testimony showed, in March, 1998, Ludwig moved into on-again, off-again negotiations with the Calgary-based Alberta Energy Co., which had become a key target of alderich vandals in the Peace River region of northwestern Alberta starting in 1997. Gamble told Court of Queen's Bench Justice Sterling Sanderman—the trial is being heard before a judge alone—that while talks continued with AEC, Ludwig executed a unique form of leverage. "When negotiations stalled," he said, "there was always some act of vandalism to an AEC site."

At one point, Ludwig was demanding as much as \$1.5 million for his property, which the AEC had appraised at \$450,000. In June, 1998, the two parties settled on a selling price of \$800,000. But Ludwig scuttled the deal six weeks later, after the AEC attached a set of conditions. Chief among them: Ludwig and all other Tickle Creek residents would have to leave Alberta and never return.



The court also heard how the escalating violence in the oilpatch provoked a massive RCMP undercover investigation—most of it revolving around members of the Tickle Creek commune—and how closely AEC officials co-operated in this effort. The police used airplanes to spy on Ludwig's farm, conducted round-the-clock ground surveillance and tapped his phone. Known as Operation Kalkbrecht, the exercise cost the RCMP an estimated \$750,000. While the police force disclosed a direct effort of cash and equipment from AEC, company senior executive Alan Johnson testified that AEC gave \$25,000 to a community organization, the South Peace Rural Crime Prevention Society. Along with \$163,000 donated by other oil companies and businesses, the money was eventually channeled to the RCMP.

In the fall of 1998, Robert Whynia, a friend of Ludwig and at one point also a suspect in the bombings, offered to provide information about the commune leader and Boersma if the AEC bought his property for \$109,000. While the company declined to do so, the RCMP took on Whynia as a paid informant. The police soon came up with the idea of enhancing Whynia's credibility with Ludwig by covertly staging a bombing and allowing their informant to take the credit. The RCMP and the AEC agreed to blow up a metal shed at a company site near Hythe—a plan that was executed in the early hours of Oct. 14—and followed up with the usual public denunciations. "It classify it purely in terrorism,"

Ludwig at Tickle Creek: he blames the oil and gas industry for a spewing life-threatening toxins into the atmosphere

senior AEC executive Ed McGillivray declared at the time.

The bogus bombing has annoyed the Ludwig trial with a rich vein of irony. Last week, Cpl. Donald Spritzke of the RCMP's explosives disposal unit testified about his investigation into a bomb that went off at the Suncoast Energy Inc. well near Hinton in 1998. Later, Spritzke was recalled by the Crown as describe his own role in setting off the Oct. 14 explosion at the AEC site on the instructions of his superior. Spritzke recounted how, the following day, he returned to the site to conduct the post-blast investigation along with a fellow RCMP officer who did not know Spritzke was the bomber. "I'm to say that wasn't the hardest investigation you ever did?" asked Ludwig's lawyer, Paul Morneau, on cross-examination. "Put it this way," despondent Spritzke: "I know what to look for."

Much of last week's testimony centered on the bomb that exploded at the Suncoast site at 5:02 am on Aug. 24, 1998. Three police witnesses described how, on the evening of Aug. 23, they began tailing Ludwig's blue Dodge Caravan after it left the Tickle Creek farm. Ludwig was driving, with his wife, Marlene, in the passenger seat and at least two other unidentified passengers sitting in the rear. The officers followed the van to a point near the Suncoast site, where they lost sight of the vehicle. One of them, Cpl. Roy Pichell, pulled onto an

The trial of a self-styled environmental crusader shows that truth can be stranger than fiction

unlappable. Last week, a forensic chemist testified that a police swab sample taken from Ludwig's hands shortly after a bomb went off at a well site near Hinton, Alta., revealed residues consistent with explosives. Outside court, Ludwig readily conceded the evidence "looks good to those who would like to rub me." And was he comfortable with that? "Sure," he replied.

Welcome to Wieboland. It is a place where little is as it seems, and where it is never exactly clear who, or what, is really on trial. At the center of it all is Ludwig, 58, the proverbial middle wrapped inside an engine. Looking, and often sounding, like an Old Testament prophet brought back to smite the unrighteous, Ludwig is a self-styled environmen-

entrance road to the Sanctor site. From there, he told the court, he spotted "a male (individual of average size wearing a khaki-green jacket with the hood up, running into the bush." He did not pursue on foot, but instead began shouting. "I said, 'Where BOMB? come out of the bush, hands up, testify! No-one responded.

At about 1 a.m., Ludwig's blouse pulled over by police as it sped north. Ludwig was the only occupant. It revealed nothing unusual, she wrote. Hours later, the bomb went off.

The Crown has tried to paint a picture of a man who commits violence out of greed

and cap, with blue trousers and sandals. The arresting officer, Const. Blue Martins, described Ludwig demandeur as "very calm, very polite."

The clothing arrived from Ludwig and Boerum at the time of their arrests was sent for analysis. Leonard Liu, a chemist with the RCMP's forensic laboratory in Vancouver, testified last week that, while the clothing thrown

acts. Among the examples cited by Morton: flycatchers, harlequin butterflies and decomposing plants.

This week, the focus will shift to Wright, a former Beaveridge, Alta., pseudonym owner who is expected to be brought testimony to the Crown's star witness. And if testimony offered last week by another RCMP officer, Sgt. Jerry Dunn, is any indication, there are likely to be more news and court shenanigans. Dunn, who oversees the RCMP's Oct. 14 covert explosion at the AEC site, recalled how, one week later, AEC's jobsite informed him the company intended to increase the reward money it was offering for information leading to arrests regarding the outposts bombings. But Dunn added the company to hold off on the announcement. Instead it would invite media interest in the case.

His concern? The police had received information that Ludwig, Bogert and Wraight were just about to set off a bomb. And it had been Dana's experience that, when the media "became very active," Ludwig spent all his time giving interviews. "So it would be antisocial to your operation if Roy Ludwig spent his time talking to the media and not committing crimes!" said Ludwig's lawyer. "Yes," replied Dana.

Only in **Wideland**. 

*Leading with wife
Marianne and other
family members: 18197*



no traces of explosives, a evaluation from Lashong's hands did But under cross-examination by Montana, Laa confirmed the main ingredients of the explosives residue—potassium nitrate and sodium nitrate—could also be found in a number of other products cited by Montana: fireworks, decomposing plants.

This week, the focus will shift to Wright, a former Beaveridge, Alta., pseudonym owner who is expected to be brought testimony to the Crowl's suit witness. And if testimony offered last week by another RCMP officer, Sgt. Jerry Dunn, is any indication, there are likely to be more news and court shenanigans. Dunn, who oversees the RCMP's Oct. 14 covert explosion at the AEC site, recalled how, one week later, AEC's jobsite informed him the company intended to increase the reward money it was offering for information leading to arrests regarding the outposts bombings. But Dunn added the company to hold off on the announcement. Instead it would involve media interest in the case.

His concern? The police had received information that Ludwig, Bogert and Wraight were just about to set off a bomb. And it had been Dana's experience that, when the media "became very active," Ludwig spent all his time giving interviews. "So it would be antisocial to your operation if Roy Ludwig spent his time talking to the media and not committing crimes!" said Ludwig's lawyer. "Yes," replied Dana.

Only in **Wideland**.

related to Ludwig's current criminal trial, and has not been mentioned during these weeks of testimony, but her name did come up when reporters asked Ludwig what he thought of the RCMP investigation into his affairs. Ludwig replied that the inquiry should have been spent on an environmental inquiry into his concerns about the oil industry. "None of these terrible things would have had to have happened," he said, "and I think Hermann Witschi here would have been saved." Ludwig clearly subscribes the theories—on his own father's

firm in the early hours of June 20 after a bush party. Ludwig later told reporters the intruders were drunk and driving suddenly close to a tree where four of his daughters, ages 9 to 20, were camping when the shoot rang out. Despite an exhaustive RCMP search of Ludwig's property—and the seizure of five firearms—no charges were forthcoming. And faced with little co-operation from committee members, RCMP assistant commissioner Don McDermid acknowledged last October that it was "very, very possible" no charges ever would be laid.

¹⁰Waller's church is in no way

18.38

Come, awaken your senses



Sense the breathtaking height of the world's tallest monolithic statue (17 meters) 56 ft. of Gomateswara – a Jain Saint, in the town of Sravanabelagola in Karnataka state, being anointed with coconut milk, clarified butter, yogurt, sandalwood, saffron etc. during the "Mahamastakabhisheka" festival held once every 12 years.

Experience the sheer exhilaration of white water rafting on the turbulent waters of the Ganges River led by the melting snows of the Himalayas.

भारतIndia

Exploring India
in the
Millennium Year

visit our website at www.40404040.com or call
1-800-40-4040 for your complimentary Info Travel Guide
or write to: Government of India Tourist Office, Suite 1003,
60 Bloor Street West, Toronto, Ontario, Canada M4W 3G5.

Year	Percentage	Count
2000	100%	100
2001	100%	100
2002	100%	100
2003	100%	100
2004	100%	100
2005	100%	100
2006	100%	100
2007	100%	100
2008	100%	100
2009	100%	100
2010	100%	100
2011	100%	100
2012	100%	100
2013	100%	100
2014	100%	100
2015	100%	100
2016	100%	100
2017	100%	100
2018	100%	100
2019	100%	100
2020	100%	100
2021	100%	100
2022	100%	100
2023	100%	100
2024	100%	100
2025	100%	100
2026	100%	100
2027	100%	100
2028	100%	100
2029	100%	100
2030	100%	100
2031	100%	100
2032	100%	100
2033	100%	100
2034	100%	100
2035	100%	100
2036	100%	100
2037	100%	100
2038	100%	100
2039	100%	100
2040	100%	100
2041	100%	100
2042	100%	100
2043	100%	100
2044	100%	100
2045	100%	100
2046	100%	100
2047	100%	100
2048	100%	100
2049	100%	100
2050	100%	100
2051	100%	100
2052	100%	100
2053	100%	100
2054	100%	100
2055	100%	100
2056	100%	100
2057	100%	100
2058	100%	100
2059	100%	100
2060	100%	100
2061	100%	100
2062	100%	100
2063	100%	100
2064	100%	100
2065	100%	100
2066	100%	100
2067	100%	100
2068	100%	100
2069	100%	100
2070	100%	100
2071	100%	100
2072	100%	100
2073	100%	100
2074	100%	100
2075	100%	100
2076	100%	100
2077	100%	100
2078	100%	100
2079	100%	100
2080	100%	100
2081	100%	100
2082	100%	100
2083	100%	100
2084	100%	100
2085	100%	100
2086	100%	100
2087	100%	100
2088	100%	100
2089	100%	100
2090	100%	100
2091	100%	100
2092	100%	100
2093	100%	100
2094	100%	100
2095	100%	100
2096	100%	100
2097	100%	100
2098	100%	100
2099	100%	100
2100	100%	100



Acer is a registered trademark of Acer Inc. © 1999 Acer Inc. All rights reserved. Intel Inside and Pentium III are trademarks of Intel Corporation.

Want a life without excess baggage? Tired of lousy laptop screens that don't fit on the airplane tray? Come to the Acer TravelMate 340 series for true ease and power in portable computing. Merely one-inch thin and feather light, this notebook still packs the Hercules™ punch of the mighty Intel® Pentium® III processor, built-in port connectors, an

included portable combo drive for both floppy disks and CD-ROMs, plus a full-sized keyboard. You can even videoconference with the optional video camera. Priced in a tough wilderness case and starting below \$2,999, the laptop answers your every call. At Acer, we hear you.

Learn more about Acer and check our latest promotions at www.acer.ca or call us at 1-800-555-2237

Acer
we hear you



Bruce Wallace

Liberal golden boy

The 20th century may have belonged to the liberal Party of Canada but the Gens have had a lousy new millennium. They opened with the disastrously handled proposal to give money to the NHL (don't all seasonal workers get help?) and have spent their time ever since trying to put out the ring of fire surrounding Jane Stewart and the fire-spender at the human resources department. No wonder the Liberal backbenchers leapt to their feet to welcome Paul Martin's budget last week. It was the first standing ovation they gave this year that wasn't on orders.

Martin remains the saviour, the gay Liberal backbencher was on the ground whenever a losing streak got too long. He is still unscathed by the human resources mess, which has now resulted in police investigations, including three into grants to Prime Minister Jean Chrétien's riding. And he exudes competence and confidence, both in short supply in Liberal ranks these days. (The one element still lacking from his repertoire is giving a memorable speech. Martin agonizes over every word and his speeches sound like annual reports read aloud.)

But this budget was about as politically bulletproof as possible, the machine a finance minister's dream. Economists guffawed. The opposition, for the most part, gave it a pass. It may not have been an ideal prescription if one worries about high federal debt levels, but Martin struck a sound-spend balance that seems politically unassailable. Even the \$2.5-billion one-time cash infusion into health—a modest amount given that polls consistently show it as the top priority for Canadians—appeared perfectly calibrated. Enough money to show Ottawa's case, with promises for more—provided the provinces are willing to approve changes to medicare in order to get it.

The budget also nudged Martin's return to prominence after a few months during which a winged Chrétien had dominated the political scene. The

Prime Minister spent much of last fall telling everyone he would run again and that leadership hopefuls like Martin should cool down. And Chrétien was clearly fired up by the good response to his dainty bill on Quebec secession rules for at least the fact that it did not go off like a bomb under his chair. By January, the strategy of the Martin forces was to put their leadership planning into neutral. Let Chrétien bask in the glory of the dainty bill, they figured, and give him until next fall to make up his mind about running again.

But suddenly a hitch has developed in that scenario. The fire-over Human Resources issue has dropped Chrétien into an alley fight, and it is not as the Prime Minister's personality to walk away from any scrap—let alone one that cuts as close to his reputation for probity. So Martin can no longer watch with dismay, not only at the sight of his party crumble in a scandal rocking old-style politics, but at the prospect of Chrétien unwilling to even consider leaving office until the cloud of scandal has lifted.

Nor could Martin help being aware of the deadlock over the selection of a new director for the International Monetary Fund. The top IMF job has always gone to a European, but Washington has vetoed the German bureaucrat the Europeans had put forward. U.S. Treasury Secretary Larry Summers, a Martin friend, made it clear last week the job should go to someone with a political background. The French will insist on someone who speaks French, as Martin does. And he has a friend in British Chancellor of the Exchequer Gordon Brown. None of which means Canadians at the IMF are about to be broken for a Canadian, or that Martin himself has more interest in the IMF job than in being prime minister. But for a man of his ambitions, the IMF speculation must feed his imagination, for more so than the challenge of simply coping yet another budget beyond attack.

A. Maclean's
 Editor & Publisher

ALBERT
 COLLEGE
Devoted, Distinguished and Daring
Education for the 21st Century

- Excellent academic preparation for post-secondary studies
- Small classes, intensive 14 students
- International students - 20 countries
- Over 20 sports, arts, drama, community service projects
- Outdoor educational courses, trips
- Interest in our three, about 60 campus and mainline rooms
- 35 new campus, overlooking the Bay of Quinte

Heather Kild, Director of Admissions
 (613) 548-5726, or 1-888-552-5137
 email: Mail@alberta.ca or www.alberta.ca

A Message to our Readers about

"Scent Strips"...

Occasionally Maclean's will include advertisement scent strips in its issues. If you prefer to receive scent-free issues please advise our Subscriber Services Department. Simply call us toll-free at 1-888-Maclean's (1-888-622-5336) or e-mail us at service@maclean.ca and we'll make sure your copies do not include scent strips.

Maclean's
The Mirror to Canada

What's wrong with losing your shirt?

Nothing. Opportunities to relax and quietly contemplate the big picture are rare. But they might not be, if you had a CA on your team. They can help manage information technology. Develop strategies to secure financing. Provide effective business leadership. And give you the peace of mind to get away and explore new horizons.



**Chartered
Accountants
of Canada**

Strength beyond numbers

Lord of the roads

New Brunswick Premier Bernard Lord made good on his final election promise and abolished tolls on a new, \$140-million stretch of the Trans-Canada Highway being built in his province. "It was an unfair tax on users of this highway," Lord said. During last year's election campaign, he pledged to fulfil 20 election promises within his first 300 days in office; he managed 19 by the Jan. 6 deadline.

Thanks, but no thanks

The Prime Minister's Office said Jean Chretien would not appear before the RCMP's Public Complaints Commission inquiry into security at the November, 1997, APEC summit in Vancouver. Inquiry chairman Ted Hughes had said he would not compel the Prime Minister to testify, but he extended an invitation to Chretien to appear voluntarily. Critics allege the PMO was actively involved in tampering security, including the pepper-spraying of student protesters. Last week, several of those demonstrators withdrew from the inquiry, saying it would not get to the heart of the allegations.

Going home, temporarily

Leticia Cables, the Filipino nanny whose deportation order last July sparked a human-rights uproar, finally left Canada. Cables, who broke immigration regulations by working at more than one job, has been told by authorities that she will be able to re-enter Canada after fulfilling the terms of her deportation order by returning to the Philippines. The 36-year-old nanny, who spent several months in an Edmonton church basement to avoid leaving the country, says her former employers told her it was permissible to work for others in vain.

Olympic green light

City council overwhelmingly endorsed Toronto's bid to host the 2008 Summer Olympic Games. The 54-4-2 vote came after food-services investigator John Brown, CEO of the bid committee, said the \$2.7-billion Games would result in new construction that could lead to 1,000 units of low-income housing, as well as moderately priced rental and condominium properties.

Canada Notes

Privatization and health care

Alberta Premier Ralph Klein upped the tension of the Canadian health-care debate by tableting a bill that would grant more power to private clinics in his province. Under the terms of the legislation, for-profit clinics would provide a wide range of minor surgery and allow for overnight stays—funded by medicare. Those clinics would not be hospitals, defined by the bill as institutions providing emergency care and a wide range of diagnostic services. In fact, the bill specifically bans private hospitals, and provides for \$100,000 fines for anyone running such a facility. But opposition politicians, convinced that private hospitals mean the ultimate goal of the Klein government, vowed to fight the legislation.

Meanwhile, provincial politicians united in a common front against Ottawa after condemning its inadequate \$2.5 billion in extra health-care funding contained in the federal bud-



Klein: a bill allowing for-profit clinics

get. But the provincial complaints were undermined by revelations that part of a special \$3.5-billion health-care payment in last year's budget was still sitting in a bank collecting interest. Some provinces had left portions of the provincial allocation unused, because Ottawa had recommended that the funds be spent over three years. But in the case of Quebec, its total share of \$841 million remained untouched, resulting in widespread public outrage.

The spending scandal keeps growing

Human Resources Minister Jane Stewart remained in the hot seat, especially after reports that a New Brunswick company had received a \$70,000 grant from her department—four months after the Atlantic Canada Opportunities Agency denied the RCMP's concerns about the firm. The Minister is currently investigating Plasma Del Phasma, a now-bankrupt company that developed plasma radiations, for fraud-related matters. The inquiry is one of at least 12 continuing probes into companies that have dealt with the human resources department.

Church controversy

Bishop Raymond Roussin, head of the Roman Catholic diocese in Victoria, released a statement denailing a history of bad investments made by his predecessor, Bishop René De Roo. A number of high-risk ventures led to losses of \$5.5 million for the diocese, and Roussin stated the investments were made without canonical permission. The Roman Catholic Church in

Ottawa is setting up an inquiry to determine if De Roo breached canon law and must face an ecclesiastical court.

The controversial investments centered on U.S. lawyer Joseph Firley. De Roo agreed to back ventures involving *Andromed* horses in the 1980s, losing Firley \$2 million. And in 1998, the diocese signed a promissory note for a \$12-million loan to Firley could develop property in Lacey County, Wash. Neither loan was repaid.

Canadian Health Network launches national web site to provide Canadians with credible, timely, relevant and easy-to-understand health information.

by Serena Douglas



The Canadian Health Network provides many answers, to many different questions about your health. By logging on to the internet and visiting the Canadian Health Network at www.canadian-health-network.ca, you have fast access to a growing network of partners who can provide you with timely, relevant, reliable and trustworthy health information on many topics including such things as alcohol, AIDS, allergies and asthma, cancer, child health and parenting, diabetes, addictions, immunizations, mental health & stress, nutrition, relationships, seniors' issues, sexuality & fertility, weight and eating disorders and more. It's all 100% Canadian and 100% free to use, any time of day or night.

Help yourself to better health.

Please visit this web site to see how it works. If you have a computer that's connected to the internet, log on to www.canadian-health-network.ca. You can use a friend's computer, or a access one at the library or your community centre. Even someone new to the internet will find the Canadian Health Network web site simple to use and easy to understand. And please bear in mind, that things will always be changing at the CHN site, as it evolves, attracts more partners and more participation from the

people who use it. One of the key mandates of CHN is to respond to the public's needs and wants. If there is any area of health promotion or disease prevention that you would like to know about, you are encouraged to drop them an e-mail. By being an active participant in the Canadian Health Network, you might actually end up helping not only yourself, but someone else, too.

So is it just computer whizzes who are expected to use CHN? Hardly. This is a user-friendly web site meant for anybody, of any age. If you're a busy mom, there is always something you want to know about your family's health and well-being. Does macaroni and cheese constitute a balanced diet for a 6-year-old? How effective is mammography in screening for breast cancer? In fact, we all often have health questions we don't want to bother our doctor with, or feel embarrassed about.

Now, it needs to be stressed here that you should never turn to CHN instead of visiting your doctor. However, CHN can help you prepare for a visit to the doctor by helping you plan the questions to ask.



Connect to CHN for health information you can trust.

To access the Canadian Health Network, you will need a computer capable of internet access, a dial-up account with an Internet Service Provider and a web browser such as Netscape Navigator or Microsoft Internet Explorer. So if you want timely, relevant health information you can trust, connect to www.canadian-health-network.ca.

Now there is a new, trusted source of health information right at your fingertips.



Canada now has a new source of reliable health information. The Canadian Health Network. You'll find us on the world wide web, at www.canadian-health-network.ca. CHN is a growing partnership of health experts providing you with trustworthy, relevant and easy-to-understand information on health and disease prevention. At CHN, you can find up to date information about important

subjects, including: child health, healthy eating, addictions, disabilities and more.

The Canadian Health Network is a national, 100% Canadian, bilingual and most importantly, it's yours. Based on the needs of Canadians like you, it will continue to develop and grow a little more, and a little better, every day.

www.canadian-health-network.ca

Funded by and in partnership with



One Year Later

NATO seems trapped in a Kosovo quagmire

By Tom Fennell

Mike Mirtena knows that Serbian and Albanian refugees are hiding in the darkness. But each night, the 35-year-old corporal with the Royal Canadian Regiment from CFB Petawawa, Ont., warms his courage and rears out. His mission: to keep the two sides from killing each other in the ethnically divided city of Mitrovica in northern Kosovo. Nearly one year after NATO launched the bombing campaign that ousted Serbian forces from Kosovo, Mirtena has come to symbolize how tangled the NATO allies have now become in the region. Despite nearly three months of air attacks that paralyzed his country, Serbian strongman Slobodan Milosevic remains in power, and in Berlin last week, instead of celebrating their victory, NATO officials were considering sending more troops to Kosovo. According to Mirtena, they are badly needed. As he headed out on patrol, he freely expressed his concerns: "There is a considerable number of..."

"I never go away." The continuing danger from Serbia, which has again amassed troops on Kosovo's northern border, was supposed to have ended with the NATO bombing campaign that began last March 24. The air assault, which included Canadian CF-18 Hornet fighters based in Aviano, Italy, ended 78 days later with the Serbian retreat from Kosovo. As the nearly 800,000 ethnic Albanian refugees, who had earlier fled in fear, returned home, Western politicians hoped Kosovo would eventually become a peaceful multi-ethnic state. As U.S. President Bill Clinton put

it at the height of the war: "We're fighting for the principle of a multiethnic and tolerant democracy."

Now, even the most optimistic observers believe NATO's objectives are in a shambles. And amid a growing debate over whether the war was justified, the alliance is on the verge of adding 2,000 more troops to the 30,000 peacekeepers, including 1,600 Canadians, already in Kosovo. "If provoked," warned NATO secretary general Lord Robertson, in a pointed message to Serbia last week, "we will take robust action."

The most severe threat to NATO's control is in Mitrovica, a mining city of 90,000 people, just 45 km south of the Serbian border. The steel and iron ore deposits underlie the bones of many Serbian towns. And the region, which is rich in mineral deposits, is home to 50,000 Serbs. NATO officials claim Milosevic has sent refugees into Mitrovica as part of a plan to ultimately carve the city and

out of Kosovo. This should surprise no one, says retired Canadian Maj.-Gen. Lewis MacKenzie, who headed the UN peacekeeping mission to neighboring Bosnia in 1992. "His supporters have to see," he says, "that he has not abandoned the theme of Kosovo."

Tensions reached the boiling point in Mitrovica in early February when thousands of Albanians attempted to cross a bridge over the Ibar River, which divides the city, to areas where they lived prior to the war and is now mostly occupied by Serbs. When French soldiers tried to stop the Albanian advance, they were pelted with



Canadian soldier arresting an Albanian prisoner under

rocks. American troops going house to house in search of weapons on the Serbian side of the river were also harassed. But Brnabić, and 200 Canadian soldiers, managed to secure sides, although it took them three days. NATO officials now openly worry that Mitrovica could become an "urban Bosnia," with Western soldiers trapped between Albanian and Serbian troops.

That possibility is not lost on peacekeepers such as Major Cpl. Michele MacDonald, 37, from CFB Kingston, Ont. MacDonald recalls that as she recently talked to a crowd of children who had gathered around her, some drew a finger slowly across their throats to illustrate how they would cut the necks of their former Serbian neighbors. "There were very small children," MacDonald said in an interview, "but there is no changing their minds. This has been the situation for centuries."

The continuing tension on his also badly undermined a key NATO objective set out at the end of the bombing campaign to turn polling over to the local population—eventually working under UN auspices, as many as 5,000 police officers from 45 countries were to be sent to Kosovo. So far, about 2,000, including 100 Canadians, have arrived. But it will be a long time before the lightly armed police replace NATO soldiers, according to Insp. Randy Kolbaba of Regina, who is based in the central Kosovo city of Pristina and heads the Canadian police mission. "We are trying to establish law and order," Kolbaba told *Montreal*, "but we don't have enough resources to take over."

Most analysts also believe it will take years before a formal government emerges to replace the NATO authorities in Kosovo. Others, including MacKenzie, question whether

the bombing was even necessary. He maintains it would have been better to carve Kosovo in half, giving the north to the Serbs. "NATO," he said, "is now trying to enforce an impossible objective."

And while Western politicians last year claimed the Serbs had killed as many as 100,000 innocent people in Kosovo, the United Nations now believes the actual death count is closer to 2,000. As a result, a growing number of activists around the world want NATO leaders charged with war crimes over what they believe was the "wanton destruction" of Kosovo. And they have asked the UN International War Crimes Tribunal in The Hague to prosecute a number of Western politicians, including Clinton and Prime Minister Jean Chrétien. "There is a lot to make here," says Michael Mandel, a professor at Toronto's Osgoode Hall Law School, who wants the politicians charged. "For the court not to act is a blow to its image of impartiality."

As the court deals with those pressures, the allies remain committed to protecting Kosovo. "There is no doubt that NATO forces will have to remain for many years to come," said Denis Allen, a British specialist at London's International Institute for Strategic Studies. But despite the quagmire the West finds itself in, Allen maintains that NATO had to act. He notes that in the summer prior to NATO's action, 250,000 Albanians had already fled their homes. "Kosovo may well be a disaster at the moment," says Allen, "but it would have been even worse if NATO had not intervened." And in Cpl. Mirtena's headshot into the Mitrovica streets, he knew his fellow NATO soldiers would be there for a long time to come. "I have seen it up front," he said, "it's going to take a long time to fix."

With Barry Gorn in London

KOSOVO SCOREBOARD

- Here:** Before the bombing, Slobodan Milosevic ruled.
- Here:** Still in power and still racist, Milosevic indicated in May as he laid out his account of more than 340 murders.
- Here:** 2,000 and war deaths in the year before NATO bombing.
- Here:** 500 people died, killed in NATO bombings.
- Here:** His Western troops or police in Kosovo.
- Here:** 40,000 troops and police, with more sought.
- Here:** 250,000 ethnic Albanian refugees before the bombings.
- Here:** Of nearly one million people displaced because of the war, 250,000 to 400,000 have chosen not to return.
- Here:** Western officials claimed Serbian ethnic cleansing killed as many as 100,000 people.
- Here:** The current death toll estimate is 2,000.



Gimme that ol' time religion

What was arguably the most striking moment of the American presidential campaign came last week when Republican John McCain got up and attacked leaders of the religious right as "agents of intolerance," a move akin to a Quebec politician trying to drain a vote by denouncing morality and the Montreal Canadiens. It was what you might call *concocting*—stating up on the very heart of your constituency.

What was less noted is that McCain followed his denunciation of preacher politicians like Robertson and Jerry Falwell with a moving declaration of his own faith. He told a poignant story from his time as a prisoner of war in Vietnam, when he had been left painfully bound by his captors to suffer through the night. A guard came in and, without explanation, loosened the ropes to ease his suffering. McCain lapsed, on a Christian morning, the same guard came up to him and drove a cross in the dirt with his sword. As McCain related the story: "Both prisoner and guard stood wordlessly there for a minute or two, veneration of the cross, until the guard rubbed it out and walked away."

That the way it's been that political season the leading contenders can't seem to stop talking about the Almighty, even when they're scolding His earthly representatives. In fact, there's been more "God talk" as it's known, in this campaign than any in recent memory. McCain's autobiography, *Fish of My Father*, is full of stuff like this—how he wept while singing carols with fellow POWs; how he drew strength from words etched on a cell wall by another prisoner: "I believe in God, the Father Almighty." And compared with the other candidates, he's positively reticent about religion.

George W. Bush goes on and on about the running point in his life, when he was "saved" at the age of 40 (with the help of Billy Graham, naturally). Bush prays with ministers over his cell phone, comes Jesus to his favorite political philosopher ("because he changed my heart"), and reads the *One Year Bible* every day—or at least finds it polite to claim that he does. He promises to use "faith-based institutions," i.e., churches, synagogues and mosques to implement social policy if he makes it to the White House.

Al Gore, presumptive nominee of the supposedly more secular Democrats, is next to be cautious. He fondly recalls revival meetings back in his native Tennessee, calls himself "a child of the Kingdom" and says he faces tricky situations by asking him-

self "WWJD"—"What Would Jesus Do?" Even Bill Bradley, the only major candidate to resist the temptation to wear his faith on his sleeve, once belonged to an order called the Fellowship of Christian Athletes and appeared with the self-same Billy Graham in a London crusade while he was in Oxford.

All this, of course, is very American. No other Western country has the kind of evangelical tradition that our great groups like Robertson's Christian Coalition such political clout, especially in the Republican party. Certainly not Canada. Preston Manning can hardly mention his born-again

faith without running into a barrage of negative commentary that belies our to impose his morals on everyone else. South of the border he'll likely be considered a little soft on religion.

Not that God talk necessarily makes much difference in how leaders actually behave. Bill Clinton is firmly in the fine southern tradition of Bible-quoting, publicly pious polificture. He made sure to be photographed using the family Bible out of church even on days when he was going straight back to the White House to coordinate services with young Monica Lewinsky (on Easter Sunday of 1996, in fact, that's exactly what he did).

It's not at all clear why that is happening. Clinton surely has something to do with it. His spectacular moral lapses created a built-in market for candidates with a claim to decent character (winners the McCain bubble). For Vice-President Gore, going on about faith has the benefit of distancing himself from Clinton without actually criticizing his boss. The splintering of party voters that has so shocked Americans this week's installment: a six-year-old boy shoots a six-year-old girl to death in Michigan) has also fueled a sense of moral decline.

The bigger reason may be the very success of the leaders that McCain has week-ended as the "forces of evil" (he didn't really mean that part, he said later). The Christian Coalition and the Moral Majority, the biggest political groups on the religious right, have fallen on rough times. They don't have the influence they had in the Reagan era; their leaders are fading away. But the chorus of voices praising God are eloquent testimony to their influence on American political culture. A generation or two ago, would-be presidents vowed to keep religion out of politics. Nowadays, they evidently don't believe they can win without bringing it in.



Jesus saves! God said!



MANAGEMENT WITHOUT LIMITS

THE CMA CREDO:

IN THE SEARCH FOR THE
LIMITATIONS BETWEEN
WHAT IS POSSIBLE AND
WHAT IS NOT, THERE
IS ONLY ONE RULE:
THERE ARE NO LIMITS.

HOW CAN YOU GET
THE POWER OF
INVENTIVE THINKING
WORKING FOR YOU?

It's time to turn the page...



The Power of Inventive Thinking

CERTAIN PEOPLE ARE DRIVEN, IN BOTH THEIR PROFESSIONAL AND PERSONAL LIVES, THE NEED TO CHALLENGE THEMSELVES, TO EXPLORE, TO DISCOVER. NEW POSSIBILITIES IS A PASSION THEY SHARE.

THEY ARE CMAs. AND THEY'RE RECOGNIZED BY A SINGULAR QUALITY.

INVENTIVE THINKING.

INSIGHT BASED ON A DISCIPLINED UNDERSTANDING OF STRATEGIC MANAGEMENT PRINCIPLES AND HOW TO APPLY THEM IN TODAY'S TECHNOLOGICAL AND MARKETING MATRIX. SOLUTIONS WITH IMAGINATION AND VISION.

MORE THAN 40,000 CMAs ACROSS CANADA TURN THESE PRINCIPLES INTO ACTION EVERY DAY.

READ ON AND MEET FIVE THAT ARE SHAPING THE FUTURE. THEN IMAGINE WHAT A CMA COULD DO FOR YOU.

REMEMBER, THERE ARE NO LIMITS.

1



PASSION FOR PERFORMANCE

The Company: Court & Scott, Certified Management Accountants, Winnipeg, Manitoba

The Challenge: To provide out of the box ideas and leadership, across the entire business spectrum from strategic cost accounting to activity-based management

The CMA: Larry Scott, Partner. Brings the same drive to motivate everybody that he does to coming up with innovative business solutions for clients

"The secret to working out the right business strategy is in the mathematics. You have to use the overall big picture of the firm, know where you are and your competitors are going, then you'll know and define ways to get there. It's all about performance."

And that's where the CMA takes really shines."



HANDS-ON LEADERSHIP

The Company: ASB Inc., St. Laurent, Quebec

The Challenge: To combine the company's engineering and technology profile with acquisitions into the automation and robotics field.

The CMA: Raymond Sacherl, Executive Vice President and Chief Financial Officer. Whether it's on the not coaching his son's hockey team or making waves in the competitive merger game, Raymond believes the key is hands-on involvement at the ground floor level.

"As a CMA, I've learned the importance of looking beyond numbers. You have to get in there and assess a situation from a broader perspective. Do an on-site visit to people, find out what needs to be done to figure a strong team approach and create a forward-looking organization."

2



BIG PICTURE THINKING

The Company: SAGARSAT International, Richmond, B.C.

The Challenge: To develop new markets for earth imaging data from a number of European, Asian and North American satellites in a highly competitive and cost-sensitive environment.

The CMA: Pam Gagné, Director Finance and Administration. Fascinated by the space frontier since the first new Apollo space rockets is a challenge. Seen her CMA skill set as ideal for breaking through in this future-driven global market.

"As a CMA, I've learned to focus on the big picture where it comes to strategic financial management. Sales Marketing. Operational issues. Software give us the big picture in terms of development and delivery as engineers. It's all about providing value and making a difference in people's lives."



Technology by The Field produced courtesy of the Canadian Space Agency

3



BUSINESS SOLUTIONS, ASAP

The Company: SAP Canada, Calgary, Alberta

The Challenge: To protect Enterprise Resource Planning software that enables clients to execute complex merger strategies in today's super fast digital economy.

The CMA: Peter Blackburn, Vice President, Western Region. His youthful passion for jobs has been replaced by hiking in the Rockies, but the love of competition is still a preoccupation for success in Peter's chosen profession.

"In the global marketplace, many of our clients are looking for new revenue sources, growing through aggressive mergers and acquisitions. They look to us for leadership in providing the information systems to help turn their vision into a reality. And that's where I really appreciate my CMA education and the ongoing training."



FLYING AT THE SPEED OF CREATIVITY

The Company: National Film Board of Canada, St. Laurent, Quebec

The Challenge: To direct and streamline projects involving over 600 permanent and freelance staff.

The CMA: Maryse Proulx, Chartered, Director, Administration. Where she is not developing better management strategies and solutions, Maryse likes to get a fresh new perspective - as a licensed pilot.



"I'm working with creative people on a daily basis, so I need to come up with solutions that fit an innovative and constantly changing environment. The key is to be informed, open-minded and sensitive, and willing to take calculated risks from time to time. That's the CMA approach."

5

HOW TO GET THE POWER OF INVENTIVE THINKING WORKING FOR YOU

GIVE YOUR ORGANIZATION A DYNAMIC NEW VISION. CALL OR VISIT OUR WEBSITE AND DISCOVER HOW A CMA ON YOUR TEAM CAN OPEN YOUR BUSINESS TO NEW POSSIBILITIES, NEW SOLUTIONS, NEW CREATIVE HORIZONS THAT KNOW NO LIMITS.

THE CMA BUSINESS TERRITORY - BRINGING ADVANCED MANAGEMENT SKILLS TO:

- Strategic Planning
- Finance
- Information Technology
- Operations
- Human Resources
- Sales and Marketing
- Change and Risk Management
- International Competitiveness
- Organizational Behaviour
- Benchmarking
- Business Process Re-engineering
- Interpersonal Communications and Team Skills
- Business Ethics and Relationships

Attention employers: list your career opportunities on our website free of charge.



CERTIFIED
MANAGEMENT
ACCOUNTANT



Shaping the Future

1-877-334-6622

www.cma-canada.org

Bush takes election lead

Texas Gov. George W. Bush easily won Republican primaries in Virginia, Washington and North Dakota to open a widening gap over Arizona Senator John McCain in the race for the party's presidential nomination. Polls also showed Bush is headed to victory in most of the 11 states that are holding Republican primaries on March 7.

Pinochet welcomed home

A frail Augusto Pinochet, 84, arrived in Santiago, Chile, to a hero's welcome, while human-rights activists promised to continue their pursuit of the former Chilean dictator in court. Pinochet, who spent 16 months under house arrest in Britain while fighting extradition to Spain, was allowed to return home after he was found medically unfit to stand trial.

First-grader mourned

Parents gathered to mourn at the school in Mount Morris Township, Mich., where first-grader Kyla Roland, 6, was shot to death by a six-year-old boy. The boy, who is too young to face criminal charges, apparently found the loaded gun in the creek house he was living in. A day later, a 39-year-old black man killed three white men in Williamsburg, Pa., an incident that police say was racially motivated.

Haider resigns

Jörg Haider, charismatic leader of Austria's far-right Freedom Party, resigned his party presidency following international and domestic protests over his party's joining a coalition government. Haider, who has made statements sympathetic to Adolf Hitler and the Nazi regime, said he wants to concentrate on his job as governor of the Austrian state of Carinthia.

Russian torture video a hoax

A German TV station found in Moscow correspondents for falsely claiming he had videotaped tortured bodies in Chechnya. While the film showed a man groaning and hollering with his hands tied, Russians said the videotaping and said it was of soldiers who died in action.



Stranded on the Limpopo River, Poles with survivors (inset) are rescued (below) during flooding.

The worst may be yet to come

Thousands of barefoot and half-naked people searched for food and shelter in the wake of devastating flooding across Mozambique. As many as 1,000 people had been killed by late last week and up to one million left homeless. But the death toll is expected to rise into the thousands as the floodwaters move across the region, which has been hit by a three-week-long deluge of rain. Rescue workers believe at least 100,000 people may still be trapped in trees, on the crumbling, charred roofs of traditional mud huts or on shivering spits of land.

Since the beginning of the flooding, helicopter crews from neighbouring South Africa have plucked more than 12,000 people from trees and rooftops. They have since been joined by rescue helicopters and boats from Britain, the United States, Germany, France, Portugal and Spain in an all-out effort to save as many people as possible before a cyclone that is predicted to hit the region this week.

In response to the disaster, financial

aid is pouring in from around the world. Ottawa is sending \$1.6 million in aid money, part of which will be used to finance the air rescue. Defence Minister Arif Eggen has promised more assistance if required.

In just one of many incredible stories of survival, a South African helicopter team lifted Sophia Pedro, 26, who gave birth to a healthy baby girl while stranded in a tree where she had been trapped for four days. The baby arrived just minutes before a helicopter rescued mother and child.

International relief workers report the floodwaters, which are contaminated by human bodies, as well as the carcasses of cattle and wild animals, and human waste, have already triggered outbreaks of cholera.



It boasts the highest
"I told you so" rating in its class.

What is it is a man's point, making that makes it so hard to ask for direction? We can't say for sure, but we can tell you that the opportunities to parallel the age-old question come in the unlikely form of the Lexus ES 350.

Consider the 280-hp, 24 valve, 3.5 liter V-6 engine that resides so intimately under the hood. It features compact and variable valve timing for added power and low-end torque. And is coupled to a seven-gearing, permanently engaged four-wheel drive. For added pep, there's even a sports mode, cranking to increase power and traction between the axles.

To handle all this, a progressive rate power rack and piston steering is coupled, rather adeptly so, right and when the corners come to a close.

All of which means you'll be going more places, and very likely getting lost more often. Which isn't such a bad thing given the luxurious interior of this exceptional vehicle.

It includes hand-stitched leather upholstery, heated California walnut trim, dual climate control and a 200-watt, seven-speaker Lexus Premium Premium sound system.

No more "is it not contrary to the

drive of this incredible automobile at your local Lexus dealer?

You'll find the ES 350 can not only take you to places you've never been before, but it can do so with 1 level of luxury, no more or experienced before.

1-800-251-LEXUS • See whether you can



ES 350 \$37,200

LEXUS

THE Relentless Pursuit Of Perfection



DESCENT INTO ALZHEIMER'S

Christopher Young, 73, retired in 1996 from a life in journalism that included 14 years as editor of the *Ottawa Citizen*. Just 2 1/2 years later, he discovered that he, like his mother before him, had Alzheimer's disease. Aided by his wife, Ann, he wrote this account of coming to grips with the tragedy that now afflicts more than 200,000 Canadians over the age of 65:

This morning, I spent about 15 minutes trying to make the damn computer work. Stupid, eh? But the old rascal just doesn't work the way it did during the 42 years I spent working for the Southern newspapers. Today, I wrote a letter, then yelled from my office on the third floor to Ann on the first floor. She didn't hear me, so I roared down and asked her to come and make the computer work. Both of us may be getting rid of unnecessary running, running up and down the stairs, so we could look at my situation as a boon. Sorry, Pollyanna, I can't buy that.

I should be a happy man. After all, Ann and I have just come back from a holiday in San Francisco and Los Angeles, enjoying a winter escape from our home in Ottawa. Nobody seemed to think I behaved much differently from the people around us as we cruised the steep streets and lofts on and off the cable cars of Fresno. Like everyone else, we were squeezed tight, but reveling in the wonder of the machines that carried us up and down the hills. Yes, we enjoyed it, despite the copious rain.

But I am in an early stage of Alzheimer's disease. People like me don't look funny, babbly, cry out or make utterably noisive in public. Perhaps because I look normal, I found it hard to get help when I was separated from Ann during a tour of the oldest prison of Alcatraz in San Francisco Bay. Misjudging the situation, I took a boat returning to Fisherman's Wharf and then walked for fully blocks until I realized I was lost, and that the best bet was to accept my steps. Back at the wharf, I

chose the wrong ferry dock and the wrong people to ask for help. Most of them brushed me off, till one sensitive woman heard me say "Alcatraz" and took me to the right dock. Ann was in the ferry company's office and about to call the police when I appeared. The efforts of all the National Park Service rangers who now man the prison had not turned me up, so I became the first man to escape from Alcatraz and survive.

I was diagnosed by a neurologist in December, 1998, aged 72, after a year of waiting lists, tests, more waiting and more tests. I dismissed the process myself because I was having trouble finding the right words in conversation. My mother had suffered from Alzheimer's and the symptoms were suspiciously familiar. When I mentioned that to our family doctor, John Sheehan, he immediately put me in line for the series of investigations that eventually added up to Alzheimer's, my own reluctant diagnosis. The neurologist prescribed Anxol, a drug recently added on the market and famously covered by the Ontario health plan. It has slowed the progress of the disease for many people in the earlier stages.

So far, people don't notice much, except for my speech difficulties. Later on in the process that is going forward in our brains, we Alzheimer's people—and our families—are likely to notice more unusual behaviour, which will require more help at home. Unless another illness or some accident intervenes, we will eventually go to some institution where we will probably die of the disease that has destroyed our minds. The only hope is some kind of success by scientists busily trying to dis-



Ann and Chris Young with their dog, Kaye. I walked for fully blocks until I realized I was lost.

missing blow to the individual and family afflicted by "early onset," as it is known. We older ones expect problems and we have the advantage we share with many other senior people: less responsibility at home, and the still-possible pleasures of travel, for example.

I live a fairly normal life, yet it is not the same. The plan side is that the disease is not contagious—which allows me to kiss our favourite woman and vice versa. Regrettably, I tend to

cover what causes Alzheimer's, and how it can be defied (page 32). For now, most of the support for people like me comes from Alzaps and the Alzheimer Society of Canada.

I discovered that people with Alzheimer's in a few cities in Canada get together in small groups to exchange their thoughts and experiences. In Ottawa, the Alzheimer Society took the lead by enlisting people who had approached them to explain the services the organization offers. My reason when I joined about these monthly sessions was that I wouldn't want to hear other people talk about this dismal subject. But assuming there was no harm in crying once, when hope seemed so unlikely, I decided to look. On that first day, I changed my mind and joined the club.

The members are small, seven to 12 men and women, most in their 60s and 70s, from various walks of life. Most of us are on Alzaps. The choice is lively, as everyone has stories to tell of past lives, questions to ask about our gross future. Sometimes a few will converse the talk over lunch at a nearby restaurant, with the spouses who are our drivers.

Alzheimer's disease attacks the brain, and only here attacks other parts of the anatomy. That is why I can still visit a friend, talk to my children and grandchildren, walk the dog, or take out the garbage. Not to mention taking a six-week tour of Labrador, Newfoundland and Nova Scotia last summer, as well as the more recent ventures to California. People of my age know that life is not a permanent contract. Men and women alike may get that final disease, but then we know that we may get cancer, have strokes or suffer from the million ailments inherent associated with aging.

It is much greater tragedy when younger people are stricken with Alzheimer's, as they cannot act, and an even more dre-

bar as my wife and I handle the computer. Reading, unfortunately does not speed to much; it seems to take an unreasonable length of time to finish a book. Alzheimer's has become virtually impossible without help.

Perhaps the most devastating loss so far is my driver's licence. Physicians are obliged by provincial law to report Alzheimer's people to the ministry of transport. However, both Sheehan and the neurologist who made the diagnosis recommended that I be tested before the licence was withdrawn. After months of interruptions and delays, the final result of stress was negative. There's no arguing about it, but you may imagine my frustration at watching licensed drivers running red lights, tailgating and generally endangering me, as well as themselves.

But if I forget what happened yesterday, memories of earlier times are joyful and vivid. For several years, I have been trying to write a memoir of my life about my birth in Ghana, where my newborn parents were teaching school and learning the language of grown-ups in Winifred, a headmaster's son, the death of my father, Norman Young, in the stroke on Dieppe in the Second World War about university life in Winnipeg and Oxford, and all those years in journalism, starting at the *Winnipeg Tribune* (now defunct), continuing in Hamilton, ending in Ottawa, but then before the job had taken me to great cities, to meet world leaders in distant lands and see important events virtually all over the world.

So now I live day by day and enjoy what I can. I have wonderful friends who have stuck with me and put up with my mindless blather. I still hope to finish my memoirs with Ann's help and my family's support. My mother died of Alzheimer's when she was 92, while I held her hand. I don't think the game is over yet. ■

BRAIN DETECTIVES

By Barbara Wickens

At first, the effects are almost imperceptible: a man or woman cannot find keys or forgets the name of a loved one. As Alzheimer's disease continues to destroy nerve cells in the brain, the incidents become more frequent—and more troubling. Along with progressive memory loss, the person may become moody and restless, and begin wandering or

pacing, often in the middle of the night. In the late stages of Alzheimer's, the patient becomes bedridden and needs 24-hour-a-day care before dying, often from pneumonia. Doctors and scientists have long understood this insidious downhill march—and have been powerless to slow it, let alone halt it. Now, however, science is providing glimpses of hope as researchers around the world, including those doing leading-edge work in Canada, untangle new findings about the disease almost every week.

It could be years before a diagnosis of Alzheimer's is anything other than an eight- to 10-year death sentence. But as scientists and health professionals gain a better understanding of the disease—everything from the underlying risk factors to what sets it in motion and its complex biochemical processes—they are gaining insight into potential preventive, treatment and cure.

The research has already yielded one new prescription drug, with several more soon to follow, that can help delay the onset of symptoms in the early stages. One goal now is to extend that symptom-free period.

While far from a cure, the delaying tactic still offers benefits, both to the individual who can live a normal life for longer, and to society as a whole. "If we can delay the onset of symptoms by five years, we will decrease the number of persons with Alzheimer's by half," says Dr. Serge Gauthier, director of the Alzheimer's disease research unit at the McGill Centre for Studies in Aging in Montreal. "If we delay the onset of symptoms by 10 years, we will reduce the number affected by Alzheimer's in one generation by 75 per cent." That reflects the harsh actual fact

that, in those five or 10 years, many potential Alzheimer's sufferers will have died of other—likely less daunting—causes.

According to 1999 numbers projected from a landmark 1991 Canadian Study of Health and Aging, some 316,500 Canadians, most of them over 65, suffer from one or another form of dementia. In the past, those exhibiting the symptoms—loss of memory, judgment and reasoning, and changes in mood and behaviour—were often

simply labelled senile. But today, senility is no longer considered a normal part of aging, and is instead seen as a sign of disease. Alzheimer's is the leading cause of dementia, accounting for about two-thirds of the cases, while others, including frontotemporal dementia and Creutzfeldt-Jakob disease, account for most of the rest. A further 230,000-plus Canadians suffer from incoercible, sometimes fatal, neurological disorders that do not necessarily result in dementia, but do exact a heavy toll on the body (page 30).

With Canadians living longer than in generations past and with the leading edge of Canada's 10 million baby boomers now in their early 50s, the numbers of those with Alzheimer's is expected to grow drastically. The Alzheimer Society of Canada projects that, unless there is a breakthrough, more than 750,000 Canadians will have the disease by 2031. That number is based on studies worldwide indicating one in 13 people over 65 and one in three over 85 are affected with the disease. The general population is beginning to grasp the enormous implications. A Léger & Léger poll of 1,500 Canadians released in January shows Alzheimer's is now the third-most-fatal disease as people age, trailing only cancer and heart troubles. The survey was sponsored by Pfizer Canada Inc., the Kirkland, Que.-based manufacturer of Aricept, the first prescription drug specifically targeted at Alzheimer's



That sense of doom is spurring research in many fields. Neuroscientists, psychiatrists, biochemists, occupational therapists, gerontologists and epidemiologists are all involved in a wide range of investigations. Working within their own fields or on multidisciplinary teams, they have developed, and sometimes discarded, many new theories. Few now believe there is a single cause of Alzheimer's, concluding instead that it is caused by a combination of factors, genetic and environmental.

Alzheimer from pipes and pots, once a principal suspect,

before, however, the answers they are finding lie in the body, possibly within the brain itself. On that front, advances in basic research are providing a solid underpinning. "We are learning so much about the neurobiology of the brain," says Dr. Ian Whishaw, professor of neuroscience at the University of Lethbridge in Alberta. "We know much more than we did 10, or even five years ago." Whishaw and a colleague, Dr. Brian Kelly, are the co-authors of *Foundations of Human Neuropsychology*, the standard text translated into five languages and used in

Researchers unearth important clues in the campaign against the spreading scourge of Alzheimer's

has largely been dismissed as a cause, says Gauthier. But other risk factors are still being examined. Several studies have shown that those who have at least a Grade 10 education—which could indicate a more developed brain or reflect a healthier socioeconomic environment—have a lower risk of developing Alzheimer's symptoms than those with less schooling. Other studies suggest that those who have had a bump to the head have an increased chance of developing the disease.

Meanwhile, other scientists are debating a possible relation-

ship between the female hormone estrogen and Alzheimer's. While a study published last month in the authoritative *Journal of the American Medical Association* showed estrogen replacement therapy did not slow the progression of the symptoms, other researchers have concluded that post-menopausal women who take the hormone have a decreased risk of the disease. And new research even raises questions about whether menopause—a villain when it comes to prostate problems—can play a beneficial role in neurological diseases. Doctors told a conference of the American Association for the Advancement in Science in Washington in late February that six Alzheimer's patients treated with synthetic hormone experienced fewer symptoms.

Many researchers believe, however, the answers they are finding lie in the body, possibly within the brain itself. On that front, advances in basic research are providing a solid underpinning. "We are learning so much about the neurobiology of the brain," says Dr. Ian Whishaw, professor of neuroscience at the University of Lethbridge in Alberta. "We know much more than we did 10, or even five years ago." Whishaw and a colleague, Dr. Brian Kelly, are the co-authors of *Foundations of Human Neuropsychology*, the standard text translated into five languages and used in

ship between the female hormone estrogen and Alzheimer's. While a study published last month in the authoritative *Journal of the American Medical Association* showed estrogen replacement therapy did not slow the progression of the symptoms, other researchers have concluded that post-menopausal women who take the hormone have a decreased risk of the disease. And new research even raises questions about whether menopause—a villain when it comes to prostate problems—can play a beneficial role in neurological diseases. Doctors told a conference of the American Association for the Advancement in Science in Washington in late February that six Alzheimer's patients treated with synthetic hormone experienced fewer symptoms.

Compare graphs of cross sections of a *Alzheimer's brain* (left) and a *normal brain*, likely caused by a combination of factors, genetic and environmental

four genes that can lead to the disease, including one that Dr. Peter Se George-Hylop and his team at the University of Toronto identified within a two-month period in 1995. The genes are responsible for a rare form of the disease called Familial Autosomal Dominant Alzheimer's FAD, which is clearly passed from one generation to the next, accounts for from 10 to 100 per cent of Alzheimer's cases. While people with FAD may develop symptoms as young as 30, the disease appears similar to the more common, so-called sporadic Alzheimer's in every other way. That by studying the rare form, says Se George-Hylop, director of the university's Centre for Research in Neurodegenerative Diseases, scientists hope to learn more about Alzheimer's in general. Meanwhile, the hunt is on to discover other genes linked to the disease. "I suspect in the next few years," says Se George-Hylop, "we will know a lot more about the genetics."

Still, not everyone who has a genetic predisposition goes on to develop the disease. So other researchers are trying to find out what triggers Alzheimer's in some people but not others. At Queen's University in Kingston, Ont., scientists are con-



ducting basic research into amyloids, types of protein deposits that can build up both inside and outside cells. They show up in connection with about 20 diseases, the most common being Alzheimer's and diabetes. According to Dr. Robert Kohnsley, professor of pathology and biochemistry at Queen's, amyloids are deposited, in part, of proteins commonly found in the body. But for reasons that are still being investigated, the proteins are produced abnormally and become neurotoxic. The long-term goal of these researchers is to find ways to interfere with the formation of the amyloids. That way, says Kohnsley, they may be able to interrupt the fundamental process of the disease itself, rather than just treat its symptoms.

Not everyone with a genetic predisposition gets the disease

The writings of ancient Greek physicians indicate that Alzheimer-like symptoms have plagued mankind for millennia. But modern understanding of the disease is less than a century old. In 1906, German scientist Alois Alzheimer described an autopsy he performed on a woman who died after experiencing an unusual form of amnesia. As well as finding that many of her brain cells had disappeared, he made two startling discoveries in the remaining cells: dense bundles of fibres, called tangles, and other peculiar formations, eventually called plaques. Those changes became the hallmarks of the disease that now bears his name.

These days, doctors can make a clinical diagnosis of Alzheimer's by taking an in-depth personal history of the patient, usually provided by a family member, and conducting a few simple cognitive function tests. Studies suggest they are accurate about 90 per cent of the time. Still, a post-mortem finding of the unique tangles and plaques in a demented brain remains the only way to be 100-per-cent positive the patient had Alzheimer's and not another form of dementia.

New evidence shows that the plaques—which some researchers refuse to acknowledge—and tangles are swirling havoc in the brain long before the patient shows any signs of the disease. So far, there is no treatment for any form of dementia. But since treatments become available, getting the diagnosis right will become especially important. That has prompted researchers, including those at the University of Toronto, to work on developing new brain imaging and biochemical tests. "In truth, the issue is not whether you can make a diagnosis of Alzheimer's," says Se George-Hylop. "But can you make the diagnosis very, very early, before there has been any major, irreversible change? Once brain cells die, in general they don't come back."

Meanwhile, doctors are trying out ways to help patients even as they wait for more answers from researchers. Until re-



Genetics, Alzheimer's is no longer among the neglected ones

Whosch with modest Canberra Review "We are learning so much"

cently the only drugs in the arsenal were those like antidepressants and anti-histaminics that counter only some of the side-effects. Then in 1997, after seven years of development, Pfizer launched Aricept in 20 countries, including Canada. The prescription pill, covered by provincial drug plans only in Ontario, Manitoba and Alberta, lowers, or at least softens, some of the problems associated with the early to middle stages of the disease. It does that by inhibiting the enzyme that breaks down acetylcholine, which helps to transmit nerve impulses in the brain.

Still, as Gauthier and others note, Aricept is not a cure for Alzheimer's because it does not change the underlying course of the illness. The next kind of drug likely to become available, he says, will help the brain repair itself. Those medications are aimed at boosting the proteins essential to the growth and maintenance of the brain. One such drug, code-named AD882, will undergo a large-scale clinical trial this spring across Canada, Gauthier said.

A note of frustration crops up in Dr. Patrick McGee's voice as he describes the struggle to find funding for an untapped area of research. In the mid-1980s, he and his colleagues at the University of British Columbia in Vancouver were examining the brain cells of former Alzheimer's patients when they became intrigued. They saw the same kind of molecules that had classically been associated with inflammation elsewhere in the body but had never before been reported in the brain. Other than some money from the Alzheimer Society, "we got absolutely no support from Canadian sources," says McGee, now professor emeritus of pathology at UBC.

They did, however, find funding in the United States and Japan and turned on with their research. Since they published their results in 1987, researchers around the world have replicated their findings. "If people can't confirm your findings," McGee says, "the line of inquiry dies. It'll flourish, and then some people get into it."

The UBC team soon discovered that these brain cells are anti-inflammatories for other reasons would be purchased to some extent against Alzheimer's. That is exactly what they found when they conducted epidemiological research using data from the Canadian Study of Health and Aging. Those with rheumatoid arthritis suffered significantly less Alzheimer's than the general population, they discovered. But the UBC researchers also encountered skeptics. "When we published our foundational findings," recalls McGee, "it was dismissed as a flawed study." Once again, however, their work has been replicated, this time in more than 20 epidemiological studies worldwide. And clinical trials are under way to see whether the new generation of anti-inflammatories, such as Celebrex, can delay the progression of Alzheimer's disease.

But perhaps the strongest indication that McGee's findings have gained mainstream credibility is the part he will play when Alzheimer's researchers from around the world gather next month in Stockholm. McGee is to be the keynote speaker. When it comes to Alzheimer's—or any disease—today's consensus may contain the seeds of tomorrow's cure. ■

For more information and key facts on Alzheimer's issues, log on to: www.alzcanada.ca
Alzheimer Society of Canada, www.alzheimer.ca 1-800-616-8316

IS IT ALZHEIMER'S, OR NOT?

It is important to see a doctor if warning signs of Alzheimer's disease are present. (Some may apply to other forms of dementia.)

• **Memory loss that affects day-to-day function**
While it is normal to occasionally forget appointments, colleagues' names or phone numbers, then remember them later, a person with Alzheimer's may forget things more often and not remember those later, especially things that have happened more recently.

• **Difficulty performing familiar tasks**
Many people may occasionally lose the car keys on the stove and remember to move them only at the end of the meal. People with Alzheimer's may be unable to prepare any part of a meal, or forget they ate it.

• **Problems with language**
Everyone has trouble finding the right word sometimes, but a person with Alzheimer's may forget simple words or substitute inappropriate words, making sentences difficult to understand.

• **Disorientation of time and place**
While it is normal to forget the day of the week or your destination—for a moment—people with Alzheimer's disease can become lost on their own street, not knowing how they got there or how to get home.

• **Poor or decreased judgment**
People may sometimes put off going to a doctor for an infection but will eventually seek medical attention. People with Alzheimer's may not recognize the infection as a problem or go to the doctor at all. They may also dress inappropriately, wearing heavy clothing on a hot day.

• **Problems with abstract thinking**
From time to time, people may find balancing a checkbook difficult. Someone with Alzheimer's disease could forget completely what the numbers are and what needs to be done with them. A person with Alzheimer's may not understand what a banknote is.

• **Misplacing things**
Anyone can temporarily misplace a wallet or keys. A person with Alzheimer's may put things in inappropriate places, such as in the freezer or a microwave in the sugar bowl.

• **Changes in mood or behaviour**
Everyone becomes sad or moody from time to time. Someone with Alzheimer's can exhibit rapid mood swings—from calm to tears to anger—for no apparent reason.

• **Changes in personality**
People's personalities can change somewhat with age. A person with Alzheimer's can change dramatically, becoming extremely confused, suspicious or withdrawn. Changes may also include apathy, fearfulness or acting inappropriately.

• **Loss of initiative**
It is normal to tire of housework, business activities or social obligations, but many people regain their initiative. A person with Alzheimer's may become very passive, requiring cues and prompting to become involved.

Source: Alzheimer Society of Canada, adapted from Alzheimer's Association, U.S.

THE TERRIBLE TRIAD

By D'Arcy Janich

"Alzheimer's, Parkinson's and ALS are the triad of age-dependent neurological disorders. We're going to see more of them as the population ages."

—Dr. Michael Strong, neurologist, London, Ont.

Strong, one of Canada's leading researchers into symptomatic lateral sclerosis, commonly known as Lou Gehrig's disease, works on what he calls one of the last frontiers of medicine. "ALS is not like cancer where there are treatments that can put a dent in the disease," he says. "We're just studying. This is dying or is worse." While providing no comfort to ALS sufferers, the research nicely turns up current medical understanding of a disease that kills the nerves controlling movement in the arms and legs and the muscles used in breathing, swallowing and talking. Of the dozens of degenerative neurological disorders, caused by the progressive death of specific groups of cells within the brain, ALS is at the top, in terms of mortality, followed by Alzheimer's and Parkinson's diseases. There are no cures or even treatments to significantly slow the progress of ALS, the given result being



Yan with wife Susan and daughter Clara shared grief.

that patients, on average, die peacefully of respiratory failure within five years of being diagnosed.

Between 1,500 and 2,000 Canadians, most of them over 50, are now coping with ALS. By comparison, 80,000 to 100,000 Canadians suffer from Parkinson's disease, caused by the death of cells that produce the substance called dopamine that enables smoothness of movement. ALS and Parkinson's differ from Alzheimer's in that they affect muscle control, not the capacity to think and reason. Parkinson's patients often live 20 years or more with the non-fatal disorders, and die of other causes. Doctors can treat the disease with drugs or surgery, but its cause remains unknown, and there is no cure. "It's very complicated," says Dr. Jutta Myskowski, a neurologist at Toronto Western Hospital. "We're talking about the brain, the rest of the soul."

Growing numbers of those with Parkinson's and ALS have given the conditions a higher public profile in recent years. Well-known Parkinson's victims include Pope John Paul II,

former heavyweight boxing champion Muhammad Ali and Canadian-born actor Michael J. Fox, 38, who announced he was quitting the hit TV series *Spin City* in mid-January. ALS sufferers include the celebrated British physicist Stephen Hawking, who, against the odds, has lived with ALS for about 30 years. Yet some doctors, particularly those studying ALS, complain that the government provides too little support—at best \$500,000 to \$700,000 in a year—far less than "the funding is dramatic," says Strong. "The problem is we don't have hundreds of people with ALS hanging on Parkinson's door."

More, in fact, are too preoccupied with their rapidly deteriorating health. Chua Yan, a 35-year-old Presbyterian minister living near Vancouver in Okanagan Shuswap district, was diagnosed with ALS three years ago. Since then, his legs have weakened to the point where he spends most days in a



Parkinson's suffers Al and Fay with his wife, Tony Pollen (left) prolonged use of the muscle drug produces untoward complications.

wheelchair. He can't swallow food and his speech is slow and slurred. Despite his illness, Yan and his 32-year-old wife, Susan, decided to start a family, and she gave birth to a daughter, Clara, last May. "We just decided we would carry on with our plans," says Yan. "There is so much happiness in research, you never know when they will find a cure."

Strong, who runs one of Canada's largest ALS clinics, says researchers could well identify the causes of some forms of the disease within five years, and may even be able to develop drug treatments to halt its progress. There are various theories about what kills the nerve cells that control movement. Many researchers believe the cells cease to function properly after becoming flooded with a substance called glutamate, which plays a role in transmitting signals from the brain to muscles. A more recent theory, now hotly debated, suggests the cause may be stress associated with the or the connection itself.

Until researchers find the cause of ALS and develop treatments, doctors can do little more than try to ease the symptoms. Typically, neurologists call the help of several specialists, including physiotherapists, nutritionists and social workers. "What we do now is rescue work," says Montreal neurologist Angèle Gosselin. "As the treatment of ALS, we're at the level of cancer therapy in the early 1970s."

Medical science has made much greater strides against Parkinson's over the past three decades. A common treatment is a drug called levodopa, a dopamine substitute that can induce common symptoms such as tremors, stiffness and lack of balance. But prolonged drug treatment almost inevitably leads to complications such as uncontrollable shivering, waxy movements or rigidity that makes movement impossible. "You can be so immobile that you become bedridden," says Ottawa neurologist David Grimes. Several new drugs that produce fewer long-term side effects are now available, but they are not effective on all patients.

Two surgical procedures are available for a small number of Parkinson's patients when drug therapies fail or severe complications develop. One operation, says Dr. Andrea Lozano of Toronto Western Hospital, uses a wire electrode, inserted through a hole drilled in the skull, to destroy brain cells that have become overactive due to a deficiency of dopamine. In

the progress of the disease by preventing more cells from dying. And since 1996, neurosurgeon Jose Mendes of the Queen Elizabeth II Health Sciences Centre in Halifax has performed an experimental and controversial transplant procedure on eight patients, giving them brain tissue from aborted fetuses to help them grow new dopamine-producing cells.

For many people with Parkinson's, surgery represents the last hope of relief. Keith Kennedy, 48, a former forest ranger from Middleboro, N.S., 75 km northeast of Halifax, who received a fetal-tissue transplant a little over a year ago, has cut back on his use of prescription drugs by more than 60 per cent. Kennedy says he has less stiffness and muscle pain, and the tremors that plagued him have almost disappeared. Similarly, Linda McKenna, 47, of Milton, Ont., 40 km northwest of Toronto, after a similar transplant, performed in Denver in December, 1998, has experienced a partial rigidity that often left her flat on her back on the couch. "It's been a slow change rather than a miracle," she says. "But I feel like I've had my life handed back."

IN THE SAME FAMILY

Neurologists now distinguish between movement disorders, in which spring from multiple causes, and degenerative neurological diseases, including Parkinson's and ALS, which are triggered by the death of specific groups of brain cells. The precise number of these diseases is open to debate, but the more prevalent include:

Progressive Supranuclear Palsy: Identified in 1963 by three Toronto neurologists, this Parkinson's-like disease can cause dizziness, imbalance and blurred vision.

Multiple System Atrophy: Loss of smooth function is a common early symptom of this disease, which affects more men than women. As movement in the brain, movement, balance and co-ordination can suffer.

Diffuse Lewy Body Dementia: The death of neurons throughout the brain causes a specific set of symptoms that includes memory loss, hallucinations, stiffness, tremors and lack of balance.



The finance minister visits workers at a Keweenaw health centre, stressing opportunity.

The Science Guy

Martin talks tech as he cuts taxes, but critics say he's not moving fast enough

By John Geddes

By any standard it was a meaty budget. On taxes, Finance Minister Paul Martin's five fiscal plan for the new century laid the table for five years of gradual cuts to corporate and personal rates. On spending, he injected money into long-overlooked basics, like the cash-starved armed forces, and personal priorities, like health. But among all the big moves, which was closest to Martin's heart? Finance officials who worked closely with him say there was one item that never lost its grip on their boss's imagination: the \$160 million earmarked for research into genes. And sure enough, Martin gushed about the subject in a post-budget interview with *Maclean's*. "I guarantee you that just in 20 years ago nobody could tell you where the freezer was going to take us," he said, "nobody can tell us today where the study of genetics is going to take us."

His fascination with deciphering the gene code is more than a quirk. Martin has always seemed fixated by a legacy passed partaking the books. Now that the deficit fight is behind him, he is determined to do something more imaginative than merely trimming taxes—important as that may be. So his budget speech was laced with bioscience talk about "glob-

alization and the rush of technology." When it comes to funding gene research, Martin insists it is getting Canada in on the ground floor of a biotechnology revolution—the sort of mission that he hoped would define his post-deficit thrust. It must have rung, then, when the sharper strands last week came from the very technology entrepreneurs whose status Martin says he wants to bolster. They were looking, not at near-term like-the-private initiative, but at the government's long-term, no-ifs plan. "It's just not fast enough," complained Ian McLaren, president and chief executive of CrouxKeySystems Corp., a software firm based near Ottawa. "Our life changes in quarterly cycles and they are talking in five-year plans. We can't identify with them."

That note—a pronounced skepticism gripped about his stated purpose—ran through much of the budget critique that flowed out of the world of dot-coms and e-biz. The underlying concern: keeping up with the lower-cost U.S. business environment. Last week's spectacular Nasdaq debut of Seattle-based online firm Overstock, which made founder and Moose Jaw, Sask., native Glenn Bellum an instant billionaire, was a reminder that things are moving higher, faster south of the border.

Still, it's not as if Martin ignored pleas to improve Canada's climate for high-tech. The budget made a start at easing the corporate tax rate that applies to technology companies, and offered more favourable treatment of stock options and capital gains—the key incentives for investors and paid em-

ployees, emotional support, assistive devices, transportation, palliative care: these are needs that more and more Canadians are feeling.

We'd like to help.

Information for Caregivers.
1.877.456.7676

We believe insurance is about protecting more than your material goods; it's about protecting what matters. That's why we created the toll-free, Allianz Caregiver Information Line.

It offers information on national organizations and resources that are helpful to caregivers.

Personal, Commercial, International and Special Risk Insurance

Allianz Canada Protecting what matters™

Allianz 

Allianz Insurance Company of Canada, Td/Allianz Insurance Company of Canada

players in fast-growing technology firms. Martin admits that more has to be done to shrink the tax burden, but he firmly insists the notion that matching U.S. rates must be the ultimate goal. "I think we've got to get our taxes down further," he allows. "But I don't think that we have to be 100 per cent with the United States."

His critics, however, argue that Canada's tax rate should not only be sliced down to U.S. rates—they must be pushed even lower. Contrasted with other countries, mainly in Europe, Canada's tax regime can seem attractive. But the tax breaks diminish that as all but irrelevant. "It's a global village and all the rest," concedes Paul Hedges, a tax partner with KPMG in Toronto. "But the main comparison is obviously with our neighbour to the south." And by that benchmark, even after the budget, Canada still stands at a considerable disadvantage in pure tax terms. A young software engineer earning, say, \$80,000 would pay a marginal tax rate of 47.9 per cent in Ontario—slashed by her local budget—but just 37.4 per cent if she got a job at the same salary level in California. For Martin does not agree with those who see that gap as the cause of any skills exodus. "Do I think there are Canadians who leave the country? Yes. Do I think that is because of taxes? No," he declared, interviewing himself on the much-discussed "brain drain" issue. "Do I think it is because of opportunity? Totally."

Making sure there are new opportunities in Canada excites Martin more than driving for tax parity with the United States. Unlike the high-income, high-tech executives like McLennan, Martin talks less about the next quarter than the next quarter-century. "The first quarter of the 21st century, 10 to 20 years at least, is going to be a period of very strong growth because of cascading technologies," he predicts. Among those technologies is the emerging science of manipulating genes—expected to drive developments in everything from pharmaceuticals to food production.

Field is a conversation with Michael Smith, the Vancouver-based Nobel Prize winner in chemistry. Smith had been lobbying Ottawa for a major boost in genomic research funding. When he was in Montreal for a science conference, he let Martin's office know he was available for a meeting. "Go and behold," Smith recalls. "Martin came down by himself in my hotel on a Sunday morning. So we sat down and chatted. I explained why I thought genomics was important."

Obviously, the avuncular, well-known chemist was persuasive. The budget allocates \$160 million to



Budget highlights

- Taxes of all kinds cut overall by \$20 billion over five years
- Personal tax brackets indexed to inflation
- Child tax benefit increased by up to \$550 for a first child by 2004
- Basic federal corporate tax cut to 21 per cent over five years from 26 per cent for the highest-taxed sectors
- \$2.5 billion extra given to provinces over four years for health care and postsecondary education
- \$1.5 billion extra over four years for the armed forces

fund five genome centres scattered across the country. Smith predicts Canada will reap rewards from biomedical breakthroughs, and make a cadre of experts who will apply new ideas about genes in "economically important areas" from aquaculture to forestry. Just the start of talk Martin likes to hear. For similar reasons, he sees the \$500 million the budget funnels into the Canada Foundation for Innovation, set up by the Liberals in 1997. Among the big projects already supported by the foundation is the University of Saskatchewan's \$173.5-million "synchrotron"—a football field-sized facility for accelerating electrons to nearly the speed of light, allowing scientists to probe the structure of matter in ways useful in everything from screening medicines to perhaps developing new polymers for disposable diapers.

After years of gruffly bawling the deficit, Martin seems relieved to have new stuff to talk about. His rhetoric these days harkens back to the sort of unapologetic cowboy themes he hit when he was running his losing campaign against Jean Chretien for the Liberal leadership a decade ago. "When you realize how the country was able to come together for something as and as the diminution of the deficit," he says, "just think how much more exciting it is to come together to put our country at the leading edge of the basic, dominant technologies." But how does that excitement stack up against the threat of a tax break—or the frustration of one denied? As Martin tries to shift the discussion to the economy of tomorrow, the economic champions of today want to talk taxes. "For some reason in Canada we think if we get close to the U.S. [tax rates], that's great," McLennan says. "Well, that's not great. We compete with them every single day head-to-head, and anything that puts us at a disadvantage is a problem." And as long as vocal critics like McLennan believe they have a problem, Martin is going to have one, too. ■

internet

Intel is about to do for e-business what it did for business computing: the next generation of Intel architecture will show us all what e-business can truly be. i64 isn't just about more power—it's about more everything: security, stability, responsiveness, choice. It takes away barriers. i64 will give small companies the ability to act like big companies, and big companies the ability to act like small companies. i64 is supported by virtually every major operating system and hardware vendor. i64 is the catalyst for all-out e-business.

Visit our e-business center → intel.ca

intel

Global competition

In the past year, Britain, France and Japan have reduced corporate taxes, and Germany recently proposed major cuts as well. Here is how Canada's total corporate tax rate for 2004—down from 47 per cent in 1999—will compare with current or proposed rates in the Group of Seven countries.

Canada (2004)	40%
Britain	30%
France	36%
Germany	30%
Italy	45%
Japan	41%
United States	40%

Please, sir, we want more

Despite the biggest tax cuts since 1973, many Canadians remain underwhelmed

By Patricia Chisholm

When it comes to taking care of personal finances, Bobbi and Doherty, 32, and his wife, Mary, 35, are about as good as it gets. His job is a sales representative for a Toronto packaging company and hers is a systems analyst position; a family income of about \$85,000, and every cent is put to good use. They spend only about \$30 a week on food, a far accomplished by buying groceries in bulk and preparing food in large, economical batches. Unlike many Canadians, they pay their credit-card balances every month and they top up their RRSP contributions every year. So when the Dohertys looked over the federal budget last week, they were eager for signs that Ottawa would make good on its promise to help out middle-class families. But they were not impressed—their annual income tax reduction will amount to only about \$400. "It's a step in the right direction," says Bobbi, "but the more accurate is the price of gasoline alone wipe out any benefits for us. It really doesn't help much."

So a go—for many Canadians, the modest cuts in last week's budget, coupled with other reforms like rising fuel costs and interest rates, mean that they feel no further ahead. Many, like the Dohertys, applauded what is a clear policy change when it comes to personal taxes—the biggest cuts since 1973—and greater spending on fundamentals like health care and education. But deeper, broader cuts are still needed before average middle-class workers will see any real improvement in their standard of living. In fact, financial planning experts say the brightest spot in the budget do not concern personal tax



The Dohertys: "It's a step in the right direction, but it really doesn't help much."

rates or deductions at all: small- to medium-sized businesses, especially in the high-tech sector, are the biggest beneficiaries. "Most people will not have another \$3,000 to spend," notes Vancouver financial planner Douglas Macdonald of Macdonald, Skyring & Co. "That's a better bet to increase, and some of the measures aimed at creating more investment capital for small business are very positive. That's where all the new jobs are."

It can be difficult to look at the big picture, though, when the end of every month demands a financial balancing act, especially for parents. Half the couple John Bonnell and Cathy Lomas-Bonnell, both 43, are

A little extra

Tax savings, compared with the 1989 tax year, for a family of four with two working parents.

INCOME	2000	2004
\$15,000	\$447	\$896
20,000	675	944
25,000	925	1,088
30,000	135	1,433
35,000	947	1,350
40,000	267	827
50,000	545	1,012
60,000	501	870
75,000	681	1,186
100,000	923	1,267
125,000	1,257	1,886

carrying the kind of load that typifies too many Canadian middle-class families. Both work at full-time jobs—John is a vice-president at a medical distribution company and Cathy owns and runs a day-care centre—as well as raising four children, 11, 13, 14 and 15. Their family income is about

\$96,000 and John assumes that the budget's changes will save them only about \$750. That, despite a lowering of the middle tax bracket rate, a reduction of the norms and the introduction of indexing for inflation, eliminating so-called bracket creep.

Like others, John welcomes the shift to reducing rates instead of tinkering them, but he says that pensioners' day



Public's Eye—left: Doug B. O'Neil

AT EASE

On a 12-hour flight

TO

Or in the U.K.

THE U.K.

More nonstop flights from more places in Canada to more destinations in the United Kingdom than any other airline. So you can fly at your ease. Every time. Air Canada. Simply the best way to the U.K.

www.aircanada.ca

AIR CANADA

A RYAN AIRLINES MEMBER



**THERE'S NO
SUCH THING AS
A SHORT RIDE
ON A VULCAN.**



Broad. Low. The power. Whatever. Once you've felt the smooth running power of the Vulcan Nomad's
exploded, fuel injected, V-twin engine, you'll be looking for any excuse to just kick back and ride. For more
information, call 1-800-265-RIDE or visit our website at www.kawasakicanada.com ■ **Kawasaki**



netnet:

It's e-business
or out of business.

65 of the Fortune 100
run Oracle for e-business.

ORACLE®
SOFTWARE POWERS THE INTERNET™

www.oracle.com

© 1999 Oracle Corporation. All rights reserved. Oracle and the Oracle logo are registered trademarks of Oracle Corporation. Other names may be trademarks of their respective owners. Information regarding this ad is based on information provided by Oracle Corporation.

will make almost no difference to his family. It would have been better, he adds, to move to lower costs more rapidly. "I was particularly unhappy that the sunset was not coming off until 2004," he says. "I see that as a tax that was put on at a time when it was needed to address the deficit, but that time is past." He is also worried that the provinces will raise their own tax rates to make up shortfalls caused by lower federal rates (most provincial rates are levied as a percentage of federal rates), as well as lower than expected transfers for recession-hit health care. "My impression is that the governments could have done more than they did for the average person," he says.



The Bearelli family financial balancing act

Toronto financial planner Janet Freedman agrees. The tax-cutting budget was made possible by the sacrifices of ordinary Canadians, she says, adding that Finance Minister Paul Martin should have acknowledged as much. "I wish he had said 'Thank you,' instead of taking the credit," she says. "The last five years have been a nightmare—we have been very overtaxed in all sorts of areas." Freedman includes low-income families in that critique, arguing that taxation should begin at an income of \$30,000, rather than the budget's \$8,000 (by 2004). Although Martin took credit for helping the poorest Canadians,

their savings, too, are usually under-whelming. A single parent with one child, earning \$30,000, will keep \$183 extra after filing a 2000 return, just 50 cents a day. The bigger cuts start in 2001, when the single parent would keep \$373 more, rising to \$386 in 2004.

Small-business owners, especially those who work in Canada's booming high-tech sector, are far happier. Ottawa-based Baymart Inc., which helps consumer companies find out why some Web site visitors make purchases while others do not, is typical of companies that are riding the new wave of wealth creation fanned by the Internet. Although it has been in existence for only seven months, Baymart already has

60 employees, including six in the United States. Such companies depend on stock options and capital gains to attract and keep the best employees, says president Randy Woods. Under the budget's new rules, stock options will not be taxed until shares are sold, instead of when the option is exercised, and only two-thirds of capital gains will be included in income, down from three-quarters. "A lot of people take a lower salary in exchange for stock options," Woods explains. "These changes were critically important when it comes to competing with the U.S. for staff."

Woods, 32, understands the situation well: almost all of his own net worth is tied up in speculative ventures. In addition to Baymart, he maintains an interest in another high-tech company he started five years ago. So Woods gushes from the budget both personally and professionally, and he appreciates that Canada's social safety net helps save his business money—the cost of paying U.S. employees' medical benefits is "painful." But he argues that the high-tech sector needs all the fiscal support it can get. "Canada has an enormous opportunity here," he says. "The Internet could become the core of our economy and we need to let innovation in this area grow." Many other Canadians, though, wish the government would extend such encouragement to all taxpayers, no matter how they earn a dollar. ■

Internet Advertising FACTORY

AdvertiseCanadaCareers.com

e-mail: adverts@adcfactory.com

Toll Free: (800) 727-7027

Over 200 career opportunities to "come home to" on the East coast. Register for Advertise Career Builder - our interactive career network, subscribe to our newsletter, and watch for our new "Send to a Friend" feature.

InterSearchCanada.com

Local, Regional, National and International Executive Search Consultants with Partner offices in Vancouver, Calgary, Toronto, Montreal and Halifax.

QC Quality of Course Inc.

<http://www.qualityofcourse.com>

1-800-287-5620

Want to write? Our unique home-study course shows you how to write well and how to get your work published. You succeed or your fees are refunded. Ask for the FREE book that explains it all.

Raxter.NET

<http://www.raxter.net>

e-mail: info@raxter.net

The Raxter Group's Web site is featuring TRAVEL DEST BUYS (<http://www.traveldestbuys.com>) with extensive hard-to-find contents, searchable database of travel agencies, destinations, airlines, hotels and travel packages. Also featured is Raxter's KioskIt! (<http://www.raxter.net/kioskit/>), a comprehensive Canadian on-line educational site.

Royal Roads University

<http://www.royalroads.ca>

1-800-722-6022

YOU CAN GET THREE FROM HERE. Registered in mid-western Ontario, Royal Roads University offers graduate degree programs that combine short residency sessions in Victoria, B.C. with Internet-based distance education. These innovative programs allow you to advance your career without giving up the life you enjoy.

GOVERNMENT

Information on the Government of Canada

www.ccsmda.gc.ca

1-800-0 Canada (1-800-622-6232)

TTY: 1-800-485-7728

When you need information about programs and services, new initiatives, or information products, visit our Web site or call us toll free. This is your primary access point to the Government of Canada.



Peter C. Newman

The Wal-Mart clause

No paragraph in Paul Martin's extraordinarily benign budget caused a more immediate outburst of joy on Bay Street than his decision to lift the limit of foreign content allowed in registered investment savings plans and pension funds. By permitting an eventual 30 per cent, instead of the current 20 per cent, of investments to be made outside Canada, the finance minister believes he is boosting potential investment returns for Canadians, who now hold RRSFs and registered pensions worth more than \$800 billion. That policy switch has been avoided in the past, because it was conventional wisdom in Ottawa that stretched retirement savings ought to be invested in domestic stocks and bonds.

The new measure is theoretically sound, but in reality it is not only useless but dangerous. It's useless because last summer Bay Street figured out an easy way around the RRSF limit, by setting up so-called clone-funds that circumvent the 20-per-cent rule. These widely popular investment instruments, which feature 100 per-cent foreign content, have attracted \$12 billion in assets since the first of them was launched by Mackenzie Financial Corp. last May. These and other funds usually operate by investing in "money funds," "bond funds" and similar stock-sold Canadian fiscal instruments, then entering into buy and sell arrangements through derivatives and other securities, to deal in foreign-based forward contracts. None of this is illegal. TD Bank, which is not known as an instrument of innovation, was running ads just before the budget was tabled, trumpeting the message: "Don't let the 20-per-cent foreign content maximum limit you." The accompanying ad explained there was an easy way around the government regulations.

The reason for the popularity of such clone funds is obvious: securities on foreign exchanges tend to produce more profits faster. Since 1984, for example, the U.S. Standard & Poor's 500 index has risen at average 19.5 per cent annually, compared with the Toronto Stock Exchange 300's 11.8 per cent. (The downside of these investment funds is that their management fees, at three per cent, can run to three times the cost of owning domestic portfolios.)

Martin's gambit thus amounts to little more than institutionalizing the status quo. But that's not the end of the story. At least one Bay Street maven, Scott Peterson, the CEO of Yousang Securities Inc., who has been setting Canada's financial world on fire with its IPO success in the knowledge industries, disagrees violently with his peers on the issue. "I believe the 20-per-cent rule was a good one," he told me in a recent interview, "not for financial reasons, but as a concept of public policy. It's not dissimilar to the

CRIC regulations that require 35-per-cent Canadian air-pollution, which I also support, RRSFs and pension funds are obviously un-assured vehicles, and the more therefore has the right to expect some favourable public policy impact from these investments."

He also points out that the vast majority of Canadians will live out their lives in Canada and retire here. So even if U.S. markets have done better than Canadian markets, pensioners will need to live on Canadian dollars, and should not be taking currency risks by investing abroad. "If, for example, they put their RRSFs in foreign equities and the Canadian dollar goes up, which I certainly believe is going to happen, they're going to lose a lot of money when they go to retire," he emphasizes. "Do they really want to bet against Canada, just when the prices of most of our commodities are climbing, and will likely move up even more?"

His most telling argument is the effect of the Martin effect on Canada's capital markets. "Pension and RRSF contributions provide sources of capital to finance companies, build new factories, create more jobs, undertake R & D, and do all the things that improve our economy," he maintains. "If billions and billions of dollars flow out of the Canadian capital markets, our worldwide commodity-type companies, oil and gas, mining, forest products, will probably be OK, as will the knowledge industries, technology and health care. But our indigenous businesses, such as Canadian Tire, the Bay and many consumer products companies, forget it. They will have to struggle to attract capital because why would you buy stock in the Bay when you can buy Wal-Mart? So I think the 20-per-cent limit policy has been incredibly beneficial to job creation. Moving it higher will enfeeble the Canadian equity chain."

It's a valid and fascinating argument. Peterson and the few observers who believe in this country's future and have thought through the full implications of the Martin measure deserve to be heard. "Canada's time is coming as our own technology companies are being recognized in this country," Peterson contends. "Market liquidity has improved dramatically, as have valuations. We're now in a Canadian stock market boom that has the potential of outperforming any world markets, including the U.S."

The real issue is whether in a global economy, Ottawa will care about sponsoring measures to keep an industrial infrastructure alive by easing access to capital markets. That may or may not be good economics, but if we don't stop selling out the country, we won't have any economy left. Paul Martin's new RRSF policy, however well meant, could become an instrument of national disarmament.

only snow covers more of canada
than our digital network.



ROGERS



AT&T

imagine

No digital network offers you
wider Canadian coverage than
ours. That means your digital

phone works when and where you need it,
while also providing sharper reception and
fewer dropped calls. Not to mention the
other advantages of digital technology
like call display, extended battery life and
per second billing! Now all you need is
something to talk about.

Call 1 800 IMAGINE or visit www.rogers.com/wireless

©2001 Rogers Communications Inc. 0002-0701 Canada - B01ST-0101 Used under license



Markets are human, too

The business of human frailty and self-deception is booming. Despite all the blarney about the information revolution, the dissemination of knowledge and the impact of e-commerce and the Internet, markets and consumers are still flawed, above all else, by the vagaries of human behaviour. Although science—and experience—have repeatedly debunked them, we still spend millions of dollars every year on miracle diets and quick-fix cures, we still chase stock tips without doing research, we stubbornly cling to the myth of rugged individualism.

A recent national survey from the Canada Mortgage and Housing Corp. revealed that 1.3 million households intend to renovate their homes this year. Forty-five per cent of those people think they will do this work themselves. This is certainly good news for building-supply retailers. But it also repeats a long-established pattern that involves the purchase of expensive tools and materials, a cascade of frustration followed by an extended period of inactivity, and the inevitable assumption of a professional contractor to repair the damage—and eliminate hernias.

This proclivity towards DIY is familiar to homeowners, but it represents an enduring quandary for many economists. They still tend to cling to theoretical models that assume humans behave rationally and that perfectly efficient markets are ultimately attainable—despite all evidence to the contrary.

The emergence of rational economic models began in the 19th century and coincided with the extensive use of mathematics in economic theory. But the assumption of rationality also dates back to the 18th century and John Stuart Mill. He professed his philosophy on the conviction that humans always attempt to maximize that happiness or "utility."

A growing mass of "behavioral" economists is attempting to integrate psychology, emotion and other variables into their analyses—especially when it comes to areas like stock markets or consumer spending. In his newly published book, *Unruly Economy*, Paul Ormerod bluntly challenges the linear assumptions of conventional economics. He declares that fractal economics is a qualitatively new kind, and based on a number of other factors that cannot be measured or anticipated with scientific precision. Among other things, he points out that "the behaviour of an individual can be directly affected by the behaviour of others. In other words, people see what others do, and may be influenced by it."

Still, economic orthodoxy is slow to fade. Most recently, it has been reinforced by the dramatic emergence of the business-to-business e-commerce sector, which is hailed for its potential as a classically efficient market. However free they

may be, it's generally accepted that existing market functions are flawed. They are distorted by uneven access, caused by trade rules and other artificial barriers to entry. Oligopolies exist, where a few suppliers dictate the terms of transactions to a large number of clients. And information is distributed unevenly, however stringent the regulations about acting on inside information.

E-commerce, however, holds such appeal for economic theorists because it supposedly creates a uniquely open auction process among myriad buyers and sellers. The idea is that vendors and purchasers share roughly the same information, at the same low-cost venue, which allows them to interact until they find, or he best match among themselves. Depending on the terms, this process can, at least theoretically, reduce the cost of doing business savings range from an estimated five per cent in the health care field to 11 per cent in the retail industry and almost 40 per cent in electronic components.

According to research from Goldman, Sachs & Co., the value of business-to-business e-commerce is currently about \$166 billion. By the end of 2001, it's forecast that 91 per cent of Argentines—and by association, Canadian—businesses will do the bulk of their purchasing online. Major North American universities, which still play a crucial role in the economy, have been quick to jump on the bandwagon. Both General Motors and Ford have moved aggressively to create giant online markets by connecting their suppliers, partners and customers via Internet portals.

That trend is a concern for some suppliers, like Dallas Inc., which have spent years fine-tuning their corporate strategy to add value and work as a team with their customers, principally in the automotive sector. John Mayberry, president and CEO of the Hamilton-based manufacturer, admits he wants to "avoid situations where we commoditize our product and just end up manufacturing off shelf and driving the profitability down." As a supplier, he explains why a customer is adamant about staying "higher up the value chain."

His concern will probably prove groundless over time. Even if the perfect market mechanism exists, the human beings who drive markets remain unpredictable. They will continue to be influenced by individual, measurable factors, such as loyalty to established relationships, repeatable, speed of delivery and quality—among others. Information may be more evenly available, but as with investments, it's impossible to predict if or how it will be applied to a decision to act.

John Stuart Mill was correct in figuring that humans will attempt to maximize their happiness. But happiness is rarely individual and eternal. And it is, for the most part, highly inefficient.



TD Waterhouse Online Investing. Give your educated guesses a better education.

OPEN UP AN ACCOUNT WITH \$10,000 AND GET 3 MONTHS FREE RESEARCH VALUED AT \$300*

Your instincts tell you to gather as much good information as you can before you make important investment decisions. We support your initiative. At TD Waterhouse, we provide our clients with the most comprehensive selection of online investment research available in Canada. Research from respected sources such as *Barron's*.com, *Standard & Poor's*, *Fast Call* and *Vickers*—13 separate services in all. We've also included powerful, but easy-to-use stock selection tools, stock reports and daily morning

calls from TD Securities Inc. and Zacks Securities—a premium information offering that provides everything from buy/sell/hold recommendations to contrast fundamental company data. All available 24 hours a day, 7 days a week, so that you can keep better track of market developments, identify opportunities and make sound investment decisions. So give us a call or visit our Web site to become a client. Take advantage of this exceptional offer, and become the best investor you can be.

1-888-824-7300 www.tdwaterhouse.ca

TD WATERHOUSE
Invest for yourself, not by yourself.

TD Securities Research • Analysts' Choice Funds • Zacks Securities Series • Standard & Poor's Stock Filters, Reports and Commentaries • *Barron's* Market Commentaries • Stock Selection Tools • Fast Call Research • *Vickers* Insider Trading Reports • 40% Canadian Stock Reports • *RedCharts* Funds Reports • Mutual Fund Profiles

Must be a duly qualified Canadian Investor. *Spend at least \$10,000 in TD Waterhouse Securities (Canada) Inc. ("TD Waterhouse") is a subsidiary of TD Waterhouse Group Inc. a subsidiary of Citicorp. *This service may be given between January 1, 2000 and March 31, 2001. Research reports are not sold, only made available to clients. *All fees are in US dollars. Research is not for sale. TD Waterhouse (USA) Inc. is not a broker-dealer. TD Waterhouse is a registered bank. TD Waterhouse—Member CIPF.



You're sharply focused. It's the scenery that's blurry. 2000 CAMRY

Ironie, isn't it? While the landscape goes whipping past (courtesy of a 194 hp V6 engine) you've never felt more control. Is it the handling of our road-drooling 18" alloy wheels? Or the well-appointed interior's whisper-quiet cabin and Automatic Temperature Control? Or the knowledge that

you're protected by 4-wheel ABS braking. Or perhaps it's the satisfaction of rocking Extra Value Package options like traction control, leather seats and a roof rack at a fraction of what you might expect to pay. There is one way to find out. Experience the ride (and the view) of a Camry XLE today.

For Toyota dealer in a print version of Canada's Special Olympics.

The CTV struggle

Electronbeam Broadcasting Inc. and CanWest Global Communications Corp., both minority shareholders in CTV Inc., demanded that potential buyer BCE Inc. improve its offer for the broadcaster. Both companies want a larger share component, reducing tax exposure for CTV shareholders. Comco Entertainment Inc., also a minority shareholder in CTV, is the only company to confirm that it is considering making a bid offer. At the launch of Internet portal Excite.ca, a co-venture of Excite! Home and Rogers Media Inc., that company with BCE's Sympatico site, Rogers chief and Rogers said the company is not interested in bidding for CTV.

iCrawlTV surrenders

Operators of the Toronto-based iCrawlTV Web site, which briefly re-broadcast shows from the major networks over the Internet without permission, agreed to an out-of-court settlement with Canadian and U.S. broadcasters, shutting down the site. But after settling, entrepreneur Bill Craig said he would seek legal contracts to offer cable channels like CNN on the Internet.

Taking on Chapters

The Association of Canadian Publishers told a parliamentary committee that Papyrus Wholesale Inc., an arm of volume bookseller Chapters Inc., is demanding a discount that could put many out of business. Papyrus wants a 50-per-cent discount, not the current 48 per cent. But publishers say their profits are typically only about two per cent. A spokesman for the association and publishers are afraid to speak out for fear of reprisal from Chapters.

Hong Kong doubt

Using an Internet company web, few tangible assets, 33-year-old Richard Li, son of Hong Kong billionaire Li Ka-shing, was a takeover battle for the Chinese cable's telecom giant, Cable & Wireless HKT Ltd. The younger Li's year-old Pacific Century CyberWorld Ltd. bought the company using its own stock, in a deal valued between \$52 billion and \$55 billion.

Business Notes

The Internet money torrent

Even in an era of extraordinary gains for dot-com companies, last week was a standout. Glenn Ballman, a 28-year-old entrepreneur originally from Moose Jaw, Sask., made close to \$1 billion in one day when the shares of his company, Chumacore, were listed on the Nasdaq exchange. The four-year-old Seattle-based firm, which employs about 350 people but has yet to turn a profit, sells office supplies and services online to small businesses. There was a big payoff, too, for a Toronto outfit that makes billing software for companies doing business on the Web. After considering going public, officials of Select Technology Group Inc. (estimated annual revenue: \$30 million) chose to sell out to Chorusfield, Missouri-based Andross Ltd. for \$1.2 billion.



Ballman: a billionaire in a day

Some of the dot-com millions came back to the community. Louise MacCallum, 39, and Michael Barnatyn, 41, are Kitchener, Ont., software engineers who made a fortune while working for Research in Motion Ltd. of Waterloo, Ont. Last week, they donated a record \$13 million to local charities. The couple moved two years ago from the company, which pioneered patented wireless technology.

How high can gas prices go?

Prices for gasoline continued rising, hitting 75 cents a litre in many parts of the country. If prices stay at that level, it could cost almost \$1,000 more this year to operate gas-guzzling models, compared with last year. The soaring cost of fuel has prompted industrial nations, particularly the United States, to call on oil-producing nations for an increase in production when OPEC meets in Vienna on March 27. But while nations like Saudi Arabia support stabilizing prices, others, like Iran and Kuwait, say they have no plans to increase production levels.

Financial Outlook

Commodity prices have come a long way since the Asian economic crisis hit Canada's shores. Between May,

1997, and December, 1998, commodity prices fell by 30 per cent, led downward by base metals and oil and gas. But now, the rally in commodities is firmly entrenched. According to the Toronto Dominion Commodity Price Report, prices have rebounded nearly 25 per cent since December, 1998, again with petroleum and base metals leading the way. The oil and gas sector rose by 10 per cent in January and February alone, helping to drive the entire price index up 4.6 per cent. That quick price is expected to slow for the rest of 2000, with a rise of 2.6 per cent in the remaining months.

BOUNCING BACK			
Per cent change of the TD commodity price index (TSCI) and its five subgroups, 1997-98 dollars			
TSCI	May 1997	Dec. 1998	Jan. 1999
Forest products	-25.4%	+24.5%	
Food	-12.9	+8	
Oil and gas	-30.5	+55.9	
Base metals	-35.1	+39.7	
Precious metals	-13.2	+5.7	
Agricultural products	-25.8	+2.5	

Source: TD Securities



Going for the green

Phil De Leon loves golf. He loves the game so much, in fact, that last year he only found time to play three rounds. Come again?

The source of the contradiction dates back to 1997, when De Leon, the co-founder of a Markham, Ont., computer services firm, began thinking about how he could use the Internet to simplify booking a tee-off time at one of the dozens of so public courses near his office. Three years later, the result is BookGolf.com, an online reservation service that is growing so fast that De Leon, its president and co-chairman, can scarcely afford to spend an afternoon on the links. "I'm on the road four days a week, all over North America," says De Leon, 38. "This company is in a race, and the people who work the hardest are the ones who are going to succeed."

In one respect, he's already made it. Even though BookGolf has yet to report any revenues—the site won't begin to handle tee-time reservations until this summer—the company's stock is a hit with investors. The shares closed last week at \$15.85 on the Canadian Venture Exchange, 10 times their value when the company went public in June. At the current price, BookGolf sports a market value of \$300 million, making it one of Canada's biggest dot-com stars.

It may sound like an unlikely success story, but consider the market. Every year, North America's 29 million golfers play 600 million rounds, shelling out \$30 billion on green fees alone. Tee golf is a highly fragmented business, with thousands of individual course owners and a handful of large chains. Golfers who travel frequently or simply enjoy a variety of courses are typically forced to contact each club individually—assuming, of course, they're even aware of its existence.

De Leon's goal is to do for amateur golf what Los Angeles-based Ticketmaster Group Inc. has done for concerts and theatrical events, becoming a one-stop provider of reservations and related information. BookGolf currently offers a database of 17,000 courses in the United States and Canada, as well as local weather conditions, course ratings, maps and directions. In the near future, the site will also allow users to book complete travel packages and shop online for golf gear and clothing. "Our focus now is on tee-times, but the opportunities in the golf world are enormous," De Leon says.

De Leon and his partner, Sheldon Pollack, knew something about pricing opportunities. Friends since they were in Grade

2, they started their first company 17 years ago after De Leon dropped out of business school at the University of Toronto. At the time, corporations across the continent were replacing their old mainframe computers with new PCs. De Leon and Pollack became high-tech scrap dealers, buying up obsolete machines and melting down the circuit boards to recover the gold that was conventionally used for connectors. Business was good, but they soon discovered something even more profitable. "One day, we bought a computer for scrap, 10 cents a pound, and then we sold it for \$25,000. We realized that the used computer business was the way we should be going."

The company they created, Onyx Computers Inc., has changed directions many times over the years, always chasing new opportunities. In the mid-1980s, it began selling com-

puter office computer systems using off-the-shelf components. More recently, it has become one of Canada's leading providers of Internet-based business services, with \$150 million a year in sales to such clients as the Canadian Imperial Bank of Commerce, Maclean's Financial Corp., and the Bank of Canada. "Change is our way of life," says De Leon. "If we stayed the same, we'd get bored."

There's not much chance of that. Onyx, recently renamed OnX Inc., is gearing up to go public, with Pollack as its lead. De Leon, meanwhile, will be several e-commerce agencies. Competition in the tee-time market is fierce, but BookGolf is, by all accounts, the one to beat—thanks in part to an impressive list of corporate partners. Perhaps most important, the site has a five-year agreement to handle golf bookings for Sabre Inc. of Toron-
to's Worn's Tee, the world's leading travel reservation service representing 440 airlines, 45,000 hotels and 45,000 travel agencies. De Leon has also negotiated exclusive agreements with two of the three largest course operators in North America and two of the most popular golf Web portals, GolfOnline.com and Golf.com, a joint venture between Total Sports Inc. and NBC.

With each new deal, BookGolf's prospects appear better and De Leon's job gets a little easier. Still, he doesn't intend to slow down. One of his objectives this year is to hire the company based on the U.S. Nasdaq exchange. Until then, he won't have much time to swing a club. "I love golf," he insists. "It's just that I don't seem to get out much these days."



De Leon (left) and Pollack eye on the ball



WHO'S ALWAYS THERE FOR YOU WHEN YOU NEED A BREAK?

It's ARAMARK, a company you used to know as Versa Vending Services.

ARAMARK is Canada's leading national vending services company. We service clients in business, manufacturing, education and healthcare from coast to coast. And we offer the expertise and commitment of the country's most experienced service and technical support professionals.

We understand that, to be successful, a program must be tailored to your requirements and needs. We offer a wide range of solutions and we customize those solutions to find the combination that will keep your customers happy and coming back for more.

And what we do for you in vending, we can do for you in cleaning and maintenance, coffee and our other managed services. All driven by our unique "Unlimited Partnership" culture.

So give yourself a break and call us today.



ARAMARK: Managed Services for Business, Education, Healthcare, Sports, Government, Offices and Homes, and Government Food, Refreshment, Office Management and Facility Services. Visit us at www.aramark.ca

Focus on the U.S.A.

Watch for it
in Maclean's
April 10, 2000
Executive Edition,
available April 3.

Make your
south of the border
travel plans
with Maclean's
Taste of Travel
U.S.A.

**ROGERS
MEDIA**

Macleans
WHAT MATTERS IN CANADIANS

PRESS
ADVENTURE TRAVEL

Tech

Tracking the elusive 'mafiaboy'

'He's a malicious little kid,' says a veteran hacker

Avoid last month's cyber attacks on Yahoo!, E-Trade and other major commercial Web sites, there was an unpublished, but perhaps no less significant, incident: an attack on a small Indianapolis-based server run by 34-year-old Rachel Magliola, a veteran hacker known online as VintGirl. For most of a day, "mafiaboy," the alias of a Canadian youth suspected in several of the commercial attacks, borrowed VintGirl's Web site using exactly the same methods. "He blasted me for more than eight hours," says Magliola. "He was really pissed."

While the FBI and RCMP have been investigating reports of mafiaboy's involvement in the so-called Denial of Service attacks, the authorities have so far refused to comment on their progress. Few details about mafiaboy have been released, other than that he is thought to be a Canadian teenager who until two years ago had a dial-up account with Montreal-based service provider Internet Direct.

However, in an interview with Maclean's, Magliola revealed that mafiaboy is well-known on EFNer, an international chat network frequented by hackers. He has said he lives "within 15 minutes of Toronto," she says, and the encounter his age at 16 or 17. "I've known mafiaboy online for a couple of years," says Magliola, herself a member of a crew. "He's a malicious little kid, a typical Packer Kid." (Denial of Service, or DoS, attacks involve blasting Web sites with blocks of information called pingers.) "A few years ago," she continues, "he was going around EFNer begging to be let into hacking groups. He'd brag about being Canadian, and about his hacking exploits,

trying to make a name for himself."

Mafiaboy attacked VintGirl's server in anger over the use of an EFNer chat, originally recorded by another hacker, Moon Shadow, in which mafiaboy boasted about his involvement in the attacks. Moon Shadow sent a copy of the chat to VintGirl, which she posted on her Web site, which is a source of hacker



Magliola in Web site photo. *hackerd!*

THE ETHICS OF A HACKER MOM

- Teach those who want to know
 - Don't put yourself alone anyone
 - Don't cause damage to systems you hack into
 - Respect knowledge and freedom of information
 - Notify system administrators about any security breaches
 - Never take stupid risks
 - Respect those who respect you
- Magliola, in a message to newbies

information. "I guess he didn't like that very much," she laughs. "Or me calling him socially maladjusted."

To Magliola, the DoS attacks on Yahoo! and other sites weren't much of a surprise. "This kind of thing goes on daily on EFNer," she says. "It just never makes it into the newspapers." This claim is backed up by statistics from

U.S. government online watchdog CERT, which has received an unbroken stream of reports of DoS attacks since 1996. Security reports say that more than 90 per cent of servers have been attacked in one way or another.

Among the elite, mafiaboy isn't taken seriously as a hacker. "Most like a vandal," says Magliola. "Anybody could have made those attacks. With the right software tools, it's very very simple." Not only that, but in the past year, she says, mafiaboy was heavily into "trading shells"—collecting addresses of Web servers with known vulnerabilities and exchanging them with other hackers.

"As soon as I heard about the attack on E-Trade, I knew it had to be one of the Packer Kiddies," says Magliola. "On EFNer, they even hack each other. It's all about ego. They have no respect for anyone. I have a 15-year-old son—believe me, I know the meaning."

Since investigation named mafiaboy, he has completely disappeared from EFNer. "No one's heard a peep from him, and that's a fine," she says. But an online friend of his named Mearny—a fellow member of a hacking group called TNT/Phosco—has continued to borrow VintGirl in messages, she says, using a Canadian service provider.

As for Magliola, while she says she played no role herself in the recent Web attacks, she does admit a penchant for "exploring the darker side of things." Last year, she says she hacked a large Norwegian ISP but the adds that she subsequently informed the server's Web master of its vulnerability. "It's all about responsibility," she says, switching to a more motherly tone. "I don't let Mishi [her son] on EFNer at all. He once begged me to hack his girlfriend's e-mail account, but of course I said no. Hacking is a way to meet people, help others and gain knowledge. And it's a lot more fun than just browsing." For mafiaboy, though, it could mean serious trouble if authorities find him.

Robert Scott

For more information on the world of hackers, log on to www.macleans.ca.

Coming: the Web without wires

The future of the Internet is wireless. That was the high-energy message from Wireless 2000, the trade show of the cellular and hand-held communications industries held last week in New Orleans. Some of the biggest names in the North American high-tech industry were focused on the commercial business to be had once cellphones and other hand-held devices can effectively access the Internet. Microsoft Corp's Bill Gates described the convergence of wireless and Web as "really an incredible opportunity." Jeff Bezos, founder of the online bookseller Amazon.com Inc., predicted that within 10 years most of the company's customers will be making their purchases through wireless devices. And Warden, Ont.-based

Research In Motion Ltd. announced agreements with America Online Inc., the world's top Internet access company, and Compaq Computer Corp., the biggest supplier of computers, both of which will market RIM's BlackBerry personal organizer, which features two-way paging and e-mail. News of the deals helped push RIM shares, which traded for about \$10 a share a year ago, to a Friday close of \$216.96 on the Toronto Stock Exchange, giving it a market capitalization greater than the Bank of Montreal.

Smile for Yahoo!

You've heard of Yahoo.com. Now try Yahoo! Cam. Compact, inexpensive and designed to get kids' attention, Yahoo! Cam is a palm-sized digital camera for youngsters 8 and up that allows them to put simple pictures on the In-



Yahoo! Cam, aimed at online kids

ternet. It is the first of a line of products that will be marketed jointly by Chacopac, electronics-toy maker Tiger Electronics and the Santa Clara, Calif.-based mega-Web site. The 1.2-megapixel camera will be available in stores next fall and is expected to sell for about \$90. It will come with software allowing children to download images from the camera to a PC and to create their own Web sites and online photo albums. It also includes an infrared flash so youngsters can take pictures even in darkness. The photos will only be low-resolution, but that's normally all a Web site needs. The camera records images using about 75,000 pixels, or colour-capturing dots, whereas higher-quality, but much more expensive, digital cameras boast from one million to 2.5 million pixels.

Automated home

Montreal-based Vidéotron Systèmes de Sécurité, a subsidiary of the Quebec cable company Groupe Vidéotron Ltée, will market a residential security device that allows homeowners to control home functions via the Internet. Developed by Pirway Corp. of Chicago, the system should be available through Vidéotron next fall and will retail for under \$2,000. The product includes a wall-mounted colour display and a control panel similar to those on electronic cash registers. It can be connected to a high-speed cable modem for Internet access and used to display stock quotes, weather reports and e-mail. The computer processor, meanwhile, can be connected to thermostats and light switches. A homeowner can access the unit through the Internet and turn up the heat, turn on the air conditioning or switch off lights while at work or while vacationing far from home.

voipwapbluetooth*

*WOW

If ultra-sophisticated technology doesn't wow you, maybe this will.

With Jambala, you can now connect to any network in any country whatever the interface or protocol.

With VOIP, you can voice your opinion instead of just e-mailing it. With WAP, you can cruise the Web through the display on your mobile phone.

These are just a few reasons why Ericsson is leading the planet in mobile Internet communications.

And you thought we only made cellular phones.

Looking for Government Business? Look Here:

www.merx.cebra.com

Nothing gets you in federal, provincial and municipal government doors better or faster than MERX, Canada's Internet-based electronic tendering service. For only \$6.95 a month you'll have access to billions of dollars of government business opportunities 7 days a week, 24 hours a day.

Shouldn't everything in business be this easy?

MERX

Canada's Electronic Tendering Service

For information Call 1-800-964-MERX (6378) or Visit our Web Site

www.ericsson.com/CA

ERICSSON



Adjustable Pedals.



Available on a 4 wheeler.



No other passenger car in the world has power adjustable pedals. These pedals, designed by Taurus engineers, give smaller and taller drivers something in common. Now reaching the brake and accelerator pedals is easy with just a touch of a button. Another smart thing about Taurus is the

Personal Safety System with sensors that think about how to activate air bags and seat belts. So, both driver and passengers get the protection they deserve. Good Thinking. To find out more visit www.ford.com or call 1-800-561-FORD.

The highest front-impact rating for both the driver and front passenger in U.S. government National Highway Traffic Safety Administration (NHTSA) testing.

The New Taurus 2000 SE



For now. Forever.

Ford sponsor of the Campbell-David Cancer Foundation

In too few years, a life to remember

Sandra Schmirler earned fame on the ice, but never lost sight of the important things in life

If there was any sense that curling was not getting the respect it deserved at the 1998 Nagano Winter Olympics, Sandra Schmirler never let on. Tucked away in the snowy mountain resort of Korinako, 66 km south-east from the main action in Nagano, Schmirler and her Canadian teammates played with exuberance on the ice, and were enthusiastic boosters of the sport off it. After games, they

would linger over beers to explain the sport they loved to curious foreign reporters and confused Japanese fans for whom curling was a chaos of mischievous rocks.

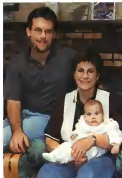
Schmirler's forever friendly exterior masked the tremendous stress she carried within. It was not just the pressure to bring home gold for the hundreds of thousands of curling-mad Canadians, but the emotional burden of being 15 time zones away from her infant daughter Sara, who stayed at home in Regina with Schmirler's husband, Skatene England, a computer systems analyst. Publicly, she had a curt answer to those who asked about the separation. "I have a beautiful daughter and that's the most important thing," she'd say. Privately, it was tougher to cope. "When three-month-old Joey Han arrived in Korinako where his father, Richard, was playing for Canada's men's team, Schmirler burst into tears at her first sight of the baby."

It was clear in the tributes that followed her death from cancer at just 36 last week that Schmirler will be remembered as much for her devotion to friends and family as for her success on the world's curling stages. And the Biggie, Skat, name's sporting achievement was substantial. She and her rink of Jan Berke, Joan McCusker

and Maria Guderer dominated the sport through the 1990s, winning three Canadian championships and three world titles to go with that first-ever Olympic gold. They did so with a style that declared they were just best friends out having a good time, almost amused that these wonderful things were happening to them.

The route to the top began in the flatlands of Biggie, where Schmirler and her two older sisters were introduced to curling by their parents, Shirley and Art. She was an all-around

athlete, a good competitive swimmer, and she threw her first rocks on wet and ice curling sheets flooded on the farm of her childhood friend Anna Silvernagle, who lived just outside of town. "Sandra was a fierce competitor—even as a kid she loved losing," recalled Silvernagle who skipped the rink with Schmirler playing third that won the 1981 Saskatchewan high school championship. Silvernagle remained a lifelong friend, and described the sacrifices Schmirler made to climb to the top of her sport: the thousands of rocks thrown, the



Sandra Schmirler and her family. Photo: Sandra Schmirler/Photo: Sandra Schmirler

hours spent watching tapes of her delivery, the summer vacations sacrificed in order to have the time available to travel for winter competitions. "She gave up lots of things once she got that taste of winning," says Schmirler.

As an adult, Schmirler faded out of Regina, where the competition even at the club level was always world-class. Her success made her famous in a sport that is the winter lifeblood of so many Canadian communities. "You could say curling is as much for the spirit as for the flesh," says the main character in Saskatchewan writer W.O. Mitchell's *The Blank Skating of Willie MacCrimmon*. That cancer was apparent in Schmirler's emotional style: the hugs for teammates, the open joy in alone time. And when she showed up in Biggar for the annual rodeo days in the summer of 1998, she brought her gold medal and Olympic team jacket along, and let anyone who wanted try them on.

The cancer that claimed her was discovered in August, 1999, less than two months after the birth of her second daughter, Jenna, and only four months after her father died of cancer. Doctors attached the tumour that was pinning on her esophagus with radiation and chemotherapy, but they were never able to determine the exact nature of the disease. While recovering from the treatments, she turned down countless requests for interviews and appearances, preferring to fight her battle privately, and spend every possible moment among loved ones, especially with her two little girls.

But as she began to feel better, she agreed to provide commentary on telecasts of the Canadian junior championship in Moncton last month. In a busy but brave news conference there, just three weeks before she died, an alternately funny and combative Schmirler declared her illness had made her see the world differently and spoke of her wish to spend as much time with her family as possible. "I now know losing a curling game isn't the end of the world," she said. "There are many, though, who say that Sandra Schmirler never lost sight of those things—family, friends, where you are from—that are most important in life."

Bruce Wallace



Schmirler (left), Gudekirk, Rishon McCusker and alternate Tina Ford show off their gold medals after returning home from Japan, scoring a victory in five after the pre-Winter Games playdowns in Brandon, Man. (Below): with hugs and smiles, an emotional style



NOTHING is HARDER than MAKING EYE CONTACT WITH a SPEAKERPHONE.

Face it — talking into a box at the centre of a table rarely leads to real bonding. And in business, relationships are key. To honour ours with travellers, Marriott and Renaissance® hotels offer Marriott Rewards®, the most generous hotel rewards programme on the planet. Earn points whenever you stay at any of our over 400 hotels. Alternatively, you can earn unlimited frequent-flyer miles with 36 airlines. In addition, during our aptly named MegaBonus Promotion, Rewards members can earn points towards vacations even faster. For more information about Marriott Rewards, or to enroll, call 1-800-249-0300 or visit marriottrewards.com.

For reservations, call 1-800-627-7468 or visit marriott.com or renaissancehotels.com.

Travel now through March 31st and you can earn Marriott Rewards MegaBonus points.

Marriott
HOTEL RESORTS WORLDWIDE

Marriott
REWARDS

RENAISSANCE
HOTELS RESORTS WORLDWIDE

QUEBEC
Sheraton Montreal
Chateau Champlain
(514) 474-8000

Renaissance Hotel Du
Fort International
(514) 214-6666

ONTARIO
Magna Falls Marriott
Fallsview
(905) 352-7930

Ontario Marriott
(905) 218-1122

Renaissance Toronto
Hotel at Skyline
(416) 347-7100

Toronto Airport
Marriott
(416) 474-8400

Toronto Marriott
West Harbour
(416) 941-8000

Toronto Marriott
Lakeshore
(416) 597-5200

BRITISH COLUMBIA
Fairmont Vancouver
Hotel Vancouver
(604) 683-5211

Vancouver Airport
Marriott Hotel
(604) 276-7112

*Marriott Rewards benefits available at participating Renaissance Hotels.

Overwhelmed?



Technology is supposed to make life easier.

If you didn't have to spend your time taking care of business, you might actually be able to keep up with the dizzying pace of change in the world of computers. Believe it or not, there are solutions that can make your business run smoother and more productively.

Let VentureTech Network be your Virtual IT Department. VentureTech Network is a National organization of independent computer dealers that you can rely on to provide high-quality products and services to your small-to-midsize (SME) business. With our knowledge and experience, we can help you at every step of the technology life cycle experience.



50 Locations across Canada
www.venturetechnetwork.ca
1-877-VTN 0001

Education

A university at the crossroads

A bitter power struggle at Trent underscores the challenges facing liberal arts institutions

Born in the idealistic and turbulent 1960s, Trent University still holds fast to its rebellious roots. Set against the placid beauty of Peterborough, Ont., the 36-year-old liberal arts university takes pride in its pendular free-lively debate, and the close-knit collection of five residential colleges that helps fuel it. But lately, the level of debate has turned decidedly sour, driving a wedge through both the campus and the community. At the centre of the storm is president Bonnie Paterson, a seasoned businesswoman who took the reins in 1998 and has been trying to address the university's fiscal crisis. Trent's accumulated operating deficit is expected to exceed \$9 million this year. Last fall, Paterson launched a controversial \$70-million plan designed to raise money, in part, by selling off Trent's two historic, down-

town colleges, where many of its respected liberal arts programs are based. A determined group of faculty, students and alumni is fighting the move, saying it threatens the very qualities that make Trent unique. "Change is hard on people," says Paterson. "But this institution has significant challenges."

Trent is not alone. Between 1993 and 1998, Canadian governments slashed more than \$5 billion from higher education, and universities are still reeling. But as a liberal arts university, Trent is more vulnerable than others. Last fall, the Ontario government handed over \$660 million to colleges and universities as the first instalment of its Superfund Growth Fund, a five-year, \$20-billion provincial infrastructure program designed, in part, to prepare Ontario's colleges and universities for a huge surge in enrolment over the

next 10 years. Roughly 75 per cent of last month's windfall went to programs in technology and applied sciences—and Trent was frozen out altogether.

That announcement was particularly painful, given the controversy surrounding the university's bid for a \$35-million chunk of the Superfund fund. If all had gone according to Paterson's plan, the money would have contributed to Trent's \$70-million capital program, which includes \$21 million to update and expand the university's science facilities—only two years after the construction of a new physics building—and \$33 million for a new residence, to be built with a private sector partner. By far the most contentious component, however, is the proposed relocation of Peter Robbison College and Carleton Place Trent College, home to 320 residence spaces and 1,235 of Trent's 3,764 full-time students. Over a five-year period, the colleges' century-old buildings would be sold and consolidated in a new \$16-million residential college on the main suburban campus.

Last November, the Trent senate—made up of representatives from across the university—voted down the closure. But three days later, Paterson and Trent's board of governors overruled the Senate, citing the tight deadline for Superfund applications. That action sparked a power struggle over who should determine the future of the university. In January, three professors launched a legal battle to save the downtown colleges, arguing that the board had overstepped its authority. In its first week, the legal campaign garnered more than \$20,000 in pledges



Power inside Peter Robbison College, Paterson (left) the decision to cut and consolidate has divided the university and the community at large

from students, faculty and alumni. Peter Kulechyski, head of Trent's respected music studies program and one of the plaintiffs, believes Paterson has crossed sciences over the arts in an effort to attract government and corporate funding, and in so doing has driven a wedge between the two faculties. "She seems to decide she can just bully her way ahead," says Kulechyski, who is resigning his post in June to protest the board's heavy-handedness. "If they want to hammer us into being just another university, I don't think Trent has a future."

The rejection by the Superfund program is especially challenging given that applications for next fall have jumped by 25 per cent—higher than for any university in the province. That increase comes after years of decline in Trent's applications and enrolment. "Now people don't know exactly where to turn," says Dave Power, president of the Trent Central Students Association, who estimates that 95 per cent of students are against the closure of the downtown colleges. "The administration was quite con-

INTERNET Shopping Guide BUYING ON THE NET

SHOPTHESHOPS.COM
www.shoptheshops.com
info@shoptheshops.com

Wholesale Pure Outfitters sports clothing — outdoor infrastructure fits in your gear! Shop the Shops for newsletters, shows, branding, bags, lingerie, toys or Coming Up! For functional folkwear characters like Malcolm the Moose or Gladys the Guller and bag it all at Indigo's luxurious leather.

CHARIOTS.COM
 The Automotive Source
www.chariots.com

Chariots.com is Canada's largest source of new car information and used car classifieds. Chariots.com is where really smart Canadians shop for cars. Get informed... request a quote.

EQUIFAX CANADA INC.
 201-466-0000 (toll-free) 1-877-325-3253
www.equifax.ca

If you are a homeowner considering a contractor or a manufacturer evaluating the credit worthiness of a wholesaler, you can do it easily on-line seven days a week.

E-INCORP.CA
 Canada's On-line Incorporation Service
www.e-incorp.ca 1-877-4-INCORP (1-877-426-2677)
 Incorporate on-line for \$199.00. Easy to use service allows incorporation anywhere in Canada on-line.

incorp

CDNETJUST.COM
 Canada's Online Source for Music
www.cdnetjust.com

CDNETJUST.COM is one of Canada's newest and hottest online music stores — quickly becoming the destination of choice for music lovers, quick and easy searching, vast selection, low prices and secure ordering make it a must see for everyone.

WWW.ITRAVEL2000.COM

Visit our website and sign up to win free travel

1-800-885-0000 or 1-800-495-877-885-0000
www.itravel2000.com

SAFE WEIGHT CONTROL
www.drdoanmed.com
 1-800-282-2822 (toll-free)

We represent Doctor recommended weight control programs, that are safe, easy and effective! For over 20 years, these scientifically based products have helped millions of people lose weight and keep it off. Click or call. Find out how Marilyn lost 150 lbs after being! Free delivery and customer support.

HOLLAND PARK GARDEN GALLERY
www.hollandpark.com

Shop online from one of Canada's leading garden centres. Floral. We have been servicing the garden centre and floral industry for over 30 years. Over 8,000 horticultural and floral products to choose from and adding more each day.

CASACANADA.COM

www.casacanada.com
CASACANADA
 Connecting Canadians and professionals

HENRY'S PHOTO, VIDEO DIGITAL
www.henrys.com
info@henrys.com

Over 4000 photo, video and digital products, 90 years in business. Secure transactions, downloadable e-flyers and auctions. We ship Canada-wide on a daily basis. Your best Canadian Imaging Resource.

ITRAVEL2000.COM
 Sign up for Travel & Deal Deals
www.itravel2000.com

itravel2000.com is the best place to find red-hot deals on all of your favourite destinations. Whether it's Canada, the Caribbean, Europe or around the World, you'll find thousands of Canadians who receive the latest deals via Email or Fax. Visit us online today, or call.

1-800-885-0000 or 1-800-495-877-885-0000

Education

don't that their direction was the right one, but it quite clearly wasn't."

Still, the battle is far from over. Arguing that Time has no choice but to cut and consolidate, Paterson will continue to pursue the funding for the capital plan. While larger schools have benefited from the provincial deregulation of tuition fees for such post-graduate and professional programs as business, computer science, law and medicine, Time has not had that option, with its limited business and computer science programs.

Paterson still expects the province will come through with funding, as early as this month. But as the wait for news, the crisis Time community remains at loggerheads. More than 100 local instructors have signed a petition opposing the closure of the city campus, contending that Time's move to the suburbs would hurt the downtown. Meanwhile, alumni are also objecting to see the colleges, James Orlowski, president of the Nobel Prize-winning Doctors Without Borders, views his years at Catherine Parr High College as a highlight. "Professors were there for me because they lived in the community," he recalls. "You had an opportunity to sit and talk for hours, and that made it a vibrant place to be." Last fall, Orlowski warned the risk factor: "I strongly urge you not to fall prey to what on the surface may be a rational logic, but which is ultimately destructive of what you seek to preserve."

Still, given the fiscal realities, Paterson believes that push has come to shove, and there's no room for sentimentality. Not only is the university facing an enormous deficit, but \$32 million in overdue maintenance. Paterson bridges the notion that she is favouring the sciences over the arts, insisting the wants balanced growth for both. "We all want to see Time survive and thrive," says Paterson. "But we have to seize opportunities and move on them when we can. That's leadership." And as universities thrust it out for scarce funding, only the strong will survive.

John Schaeffle in Port Huron

What's your time worth?



Feeling pressed for time? Juggling priorities? Let Ceridian Canada do your payroll.

Payroll is your business. As Canada's leading employer services company, we work with you to eliminate payroll hassles. We deliver service excellence to our customers — from the smallest company with one employee to Canada's industry leaders.

Spend time on the rest of your business. Contact the payroll professionals at Ceridian Canada. It's time.

Call 1-877-CERIDIAN today!
 (1-877-237-4342 toll free)

www.ceridian.ca

EMPLOYER SERVICES
 FROM CERIDIAN CANADA LTD.

CERIDIAN

MASTERS OF PAYROLL & HR

Bright Juno Lights

Among the nominees are several acts with loads of talent and the potential for major stardom

By Nick Jennings

The dawn still rule Canadian music, as the 29th annual Juno Awards make clear. Alicia Montone looks over the March 12 event at Toronto's SkyDome with five nominations. And performers by recent Grammy winner Darius Krall and by Amanda Marshall, each three Juno nominees herself, will further highlight the female factor. But a diverse range of other artists, including a number of male groups and solo acts, promises to make this year's event, hosted by teen sensation The Moffats, one of the most interesting in years. A sampling of the new wave.

IVANA SANTILLI: With a French-Canadian mother and an Italian father, Ivana Santilli knows all about blending cultural influences. On her solo debut album, *Brown*, the 25-year-old Toronto native mixes jazz, soul, funk, Brazilian music and the hypnotic disco style known as "downtown" into a warm and tasty brew. The album, which has sold an impressive—for an independent release—16,000 copies, has earned Santilli nominations for best new solo artist and best R&B/soul recording. A classically trained pianist who also plays trumpet and sings, Santilli got her start at age 12 when her father, an accordion player in an Italian wedding band, took her up on stage with him. In the mid-1990s, she tasted fame as a founding member of the popular *Juno*-winning funk and hip-hop trio Bass Is Base. But now, she's enjoying a new creative blossoming on her own. "It's incredible—I feel lighter," says Santilli of going solo. "When I take a stride now it's like two strides longer than what I took before."

LENI: "You never know how things are going to turn out," says Marc Cotroneo. Indeed. As The Burger Pimp, his persona in the Toronto-based group known as Leni, the 24-year-



Santilli, a classical pianist who sings and plays trumpet

old Cotroneo had absolutely no idea how far his old ball hit of rock, electro-pop and hip-hop beats and rhymes would take him. But with last year's summer anthem *Send My Sweet Love*, gold-level sales of 50,000 for the album *New Girl's Sup* and *Just Rock*, and now three Juno nominations for best single, best alternative album and best new group, Leni has become a major left-field hit. The crew is comprised of

Cotroneo, his sister Sharon, and members with names like DJ Moven, D. Rock, Planet Poo (aka Kudo's) and Canada's own Unleashed Monsters. Together, they have earned kudos from critics, who upbraid Leni's gaudy pop. "Embarrassment and sometimes silly," declared *The Los Angeles Times*, "it's a bright and upbeat sound, in stark contrast to the often dark and confrontational tone of much of '90s rap."

EDWIN: "We have an abundance of female solo artists and a huge overflow of bands, but not that many new male solo artists. That scared me out." So says the Toronto singer known only as Edwin, 28, who left the top-selling band I Mother Earth in 1997, citing creative differences. His strategy appears to be working. Edwin's solo debut album, *Another Spin Around the Sun*, is closing in on platinum status, with sales nearing the 100,000 mark. Confidence singles such as the hit "Pippin" and striking video like *Hong Yin*, featuring the singer's chiseled Brad Pitt-like face, have helped to establish his pop presence. Now, with a major club tour under way, Edwin has amassed Juno nominations for best male artist and best rock album. "I wanted to do this my way," says Edwin, echoing Paul Anka's famous song of personal affirmation, "to get to some sort of next level. That's the biggest challenge."

CHOCOLAI: In conversation, Kareen Blake is polite and intelligent. There's also a tender side that reflects his five years as a child-care worker, a job his chiding mother helped him land through her position as a day-care centre in Toronto. But at Choclaï, the first rapper signed to a major record deal in Canada since Massimo and Michie Moe in the early-1990s, Blake strikes a different tone. His Virgin/EMI debut, *Go Gold*, carries the "explicit content" label to alert parents to the sexual nature of the lyrics. Blake makes no apologies for the raw content. "Choclaï's my alter ego," the 24-year-old rapper, nominated for best recording and best male artist, has commented. "He says the things that I wouldn't ever think of say as Kareen."

DANNO JONES: Can Danko Jones save rock 'n' roll? The Toronto soul-punk power trio, nominated for best alternative album, believes it can. Currently on a cross-country tour of universities, with the group's CD *My Love Is Bold* at the top of the campus radio charts, the band—finger-guitarist Danko Jones and bassist J.C. (drummer Gavin Brown has left the group, and his replacement hasn't yet been named)—has already garnered an enviable reputation for the untold energy of its shows. Sounding like a cross between James Brown, the Stooges and ZZ Top, the group has drawn praise from such high-profile fans as Sloan's Chris Murphy and MuchMusic's VJ Soozie Yeh Lee, who have pronounced them Canada's best live act—one that already has as its mission "It's OK if you wanna look and take, take, take," sings Jones in *The Mango*



James Len (right), Edwin (left), Proznak (below): neo-crazed songs, left-field hits, charmed features, Europop sounds

Kid, one of the group's typically strutting, neo-crazed songs. "Just make sure you credit the kid who showed you how to shake."

PROZNAK: The biggest winners at this year's Juno Awards may prove to be a pair of cartoon characters who "perform" at the Europop-sounding group Proznak. Simon and Milo are the animated alter egos of Toronto musicians James McCollum, 25, and Jason Levine, 26, who were launched in video form in 1996 on MuchMusic. Now, Proznak is nominated for four of this year's most significant awards: best single (*Shut It to Me*), best album (*Hot Show*), best new group and best video (*Strange Dance*). For McCollum and Levine, the project actually started as a joke, a diversion from their work as members of Canada's popular rock 'n' soul band The Philosophers Kings. But now, with sales surpassing the triple-platinum mark of 300,000 copies, Proznak has become serious business. Last year, videos of the group were played in dinner clubs across Canada and on MuchMusic. But this year, McCollum and Levine have been forced to come out from behind the screen to perform in Proznak's live backing band. Art and music



Band leader Matthew Good is a literate rocker who communicates with Internet 'manifestoes' as well as acerbic lyrics

Good (left), Proke, Good, Browner: a hit album steeped in childhood and teenage memories—and with cheerleader backup

steakable *Appearances*, the album sold an impressive 150,000 copies, while garnering Good a reputation as a writer of acerbic rock. Several cross-Canada tours, some eye-catching videos and a buzzy Web site with the songwriter's imaginative musings on topics ranging from advertising and air travel to suicide and pornography helped to further boost the band's popularity.

By the time *Beautiful Malibu* (Universal) came out last September, anticipation was running high among fans and critics. The album made its debut at No. 1 on the Canadian SoundScan chart, selling nearly as well in its first week as Celine Dion did with her album the year before. Led by the edgy singles *Hell Time* and *Lead Me Up*, it has already reached its peak on the sales. Now,

with four nominations at the March 12 Juno Awards—including one for best single, album, video and group—and another major national tour starting next month, the Matthew Good Band's prospects have never been better.

Good seems genuinely unfazed by it all. When *Malibu* spoke to him on a recent Sunday afternoon, the rock star was relaxing at home in his small Vancouver apartment, once caught up in the excitement surrounding the Canadian national soccer team's victory over Colombia in the Gold Cup that his own Juno nominations. "It's incredible that we won," and Good, adding sarcastically, "For a couple of minutes there, we actually looked like a football team." That's high praise from a parent who insists on calling soccer "football" and who inherited from his father an intense passion for the Arsenal team of the English Premier League. "Yeah, my dad and I are kind of like the father and son in [author Nick Hornby's best-selling *Five Fingers*]," admits Good, "except my dad would never gush about having to travel to watch Arsenal play. He'd go anywhere." Good, who coincidentally attended high school in Coquitlam's Centennial School with Carlo Cossaris, the Gold Cup's top goal scorer, admits he has incurred the considerable cost of flying to London for Arsenal games. He also confesses a weakness for soccer jerseys—his collection now numbers more than 100 from around the world. Not surprisingly, his group's merchandise includes a soccer shirt complete with a crest sporting the

letters "MGB FC" for Matthew Good Band Football Club.

His soccer obsession reflects the boyish side of Good, which occasionally surfaces in his videos. Good's lyrics, however, tend towards much darker subject matter. *Jesus! Sing from the canon* album, is about alcohol abuse—which Good himself says he successfully battled years ago. *Boy and His Mother* Good, although seemingly inspired by the high-school shooting in Littleton, Colo., deals with a parent in a mental institution. Meanwhile, *Hell Time* barely conceals the singer's contempt for the music industry in the lines, "down at the radio shack, we're turning sh— into solid gold." Asked about the current state of pop music, Good scoffs outright: "It's all a backlash against rock right now," he says. "You've got the Backstreet boys dancing around and Britney Spears' breasts keep getting larger. She talks about being a good little Christmas while girl while the plastic surgery bill add up. She denies it, but she's just selling sex. So why hear and see the truth about it?"

According to David King, Good, who is single after the recent breakup of a seven-year relationship with a Vancouver woman, has always had strong opinions. And the singer's gift of the gab evidently comes from his father, Robert, whom Good describes as a consummate storyteller. After a brief flirtation with art studies at college, Good gravitated to music, writing songs in a folk style and singing them at coffeehouses in the Vancouver area during the late-1980s. On one occasion, he recalls, he met a Big Mac from the stage of a vegan eatery, arriving every month full as it appeared his customer. "Everyone was eating their rump salads and looking at me like I was the devil incarnate," he laughs. "I loved it. I absolutely cannot abide people who are moral or ethical issues only in black-and-white. Life's not that simple."

Some critics have called him cynical. But Good, an avid reader who cites Kurt Vonnegut Jr. as his all-time favorite author, prefers the term satirical. "The world's a pretty ridiculous place," he says. "There's only two things you can do about it—laugh or get pissed off. It's the gift that keeps on giving. Just turn on the news and go. I could write enough songs for 100 albums about how nasty the world is." His band mate Gera has no doubt about that. "Matt's writing all the time," says Gera, "whether it's video treatments, lyrics for songs, short stories or just plain rants. We never rest anyone as prolific or with as much of a work ethic." Already, Good's so-called manifestoes on the band's Web site have been published in book form under the title *Black Asteroid Surgery*. And the singer says that he intends to start working on a novel—as soon as his music career, and his soccer fixation, permit. ■

Rocking Good News

By Nicholas Jennings

There are at least two persons in the package known as Matthew Good. One is raging rock star, the cocky, charismatic front man of one of Canada's hottest new bands. The other is unassuming product of the suburbs, a dyslexian from Coquitlam, B.C., who grew up street smart yet literate—and mad about soccer, which he played throughout his youth. Although he's now 25, with a career that has him and his group conquering the country and, soon, jetting around the globe, Good has never lost touch with his roots. *Beautiful Malibu*, his group's current, top-selling (nearly 200,000 copies) album, is filled with songs steeped in childhood and teenage memories and even includes a chant by the current cheerleading squad from his high school.

Recently, Good sponsored the soccer league in his old neighborhood, donning uniforms to both a boy's and a girl's team. A farther connection with his past can be found on film. A community college dropout, Good held a number of

blue-collar jobs before devoting himself full time to music, including pumping gas and moving merchandise in a department store's shipping and receiving area—tasks he has reprised as characters in several of his band's videos. A working-class hero then? "Well, not exactly," says Good's longtime friend David King, a Vancouver author who writes under the name David Dwyer. "But Matt is very firm about the importance of community and never forgetting where you came from. He's actually been caught by surprise with all this rock celebrity stuff."

The ban about the group—which includes guitarist Dave Gern, 31, bassist Rich Proke, 32, and drummer Ian Brown, 27—began several years ago. After the release of its 1995 debut album, *Lost of the Gilbert Ancestress*, the Matthew Good Band landed a major record deal and went on to multi-platinum success with 1997's *Underdog*. Featuring three hit singles, including *Everything Is Automatic*, *Beautiful*

'Restful alertness'

Meditation appears to reduce the risk of stroke



Indian police meditate at a training course: 20 retreats a day can reduce stress

Practising Maharishi Maharishi's system of transcendental meditation may reduce atherosclerosis, a condition that can lead to heart attacks and strokes. In a study of about 60 African-

Americans—who are twice as likely as whites to suffer from cardiovascular disease—patients practising TM had an estimated 11-per-cent decrease in heart attack risk and a 15-per-cent reduction

in the risk of stroke, compared with those who did not use TM. The study, published in *Stroke*, the journal of the American Heart Association, suggested that stress reduction alone—without increased exercise or changes in diet—can reduce the buildup of fatty deposits in arteries. According to the Netherlands-based Maharishi organization, practising TM for 20 minutes a day can reduce stress by inducing "a profound state of restful alertness."

Unfit for consumption

A crackdown on Toronto eating places, canteens, grocery stores and other food outlets found stomach-churning evidence of lax food-handling and kitchen infested with cockroaches and rats. Officials said that during the five week of a blitz on Toronto's 7,000 food outlets, inspectors visited 176 premises and ordered four restaurants closed immediately. They included one where a customer complained of food poisoning and another where a city official reported "gross and disgusting conditions—rats, insects and rodents and general filth."



Tobacco on trial

Charging that major tobacco companies took part in an international conspiracy, the Ontario government joined a continent-wide trend and turned to the courts in an attempt to recover up to \$40 billion in smoking-related healthcare costs. The civil action, filed in the U.S. Federal Court in New York City under the Racketeer Influenced and Corrupt Organizations Act, claims the companies' goal was to "create a market for their hazardous products—cigarettes." Defendants include Imperial Tobacco, British American Tobacco, R.J. Reynolds Tobacco Holdings and the Canadian Tobacco Manufacturers Council.

Inspectors also shut down a grocery store after discovering a mouse infestation. They charged five restaurants—including several of the city's upscale dining spots—with inflicting injury from failure to maintain correct cycles in dishwasher equipment to inadequate measures to protect food from contamination. Owners whose premises fall follow-up inspections faced being shut down or fined up to \$35,000. Mayor Mel Lastman, who ordered the blitz, after *The Toronto Star* uncovered health infractions at some restaurants, was outraged by the findings. "You go to a restaurant and you figure you're eating pie or steak," said Lastman, "and you're eating rat."

A promising tumour killer

An experimental vaccine that can prompt the immune system to attack cancer cells has dramatically shrunk or eliminated tumours in some kidney cancer patients, German researchers reported in the journal *Neuro Medicine*. Dr. Alexander Kragel, a urological surgeon at the University of Göttingen, said cancer was eradicated in five of 25 patients given the vaccine, adding that the patients had as few as 20 months without a recurrence of cancer. Experts and doctors with greater numbers of patients were

needed to clearly determine the vaccine's effectiveness. Scientists at Boston's Dana-Farber Cancer Institute, where the vaccine was developed, said research is under way to try to make the vaccine effective for more patients.

Requests for tests

Anxious patients telephoned a hotline number after officials at a Halifax hospital said possible malfunctioning of endoscopy equipment left 277 patients facing a one-in-a-million chance of acquiring HIV, the virus that causes AIDS. Staff at the Queen Elizabeth II Health Sciences Centre alerted patients who were examined internally by endoscopy—with a flexible tube inserted orally or rectally—between Dec. 13 and Dec. 23. Tests for bacteria on the endoscopy equipment had indicated it may not have been properly disinfected. The hospital told patients that they could be tested for HIV and hepatitis B and C if they wished. By last week, at least 60 people had telephoned the hospital, with 40 requesting HIV testing. One patient complained that when he called, a staff member tried to discourage him from being tested. A hospital spokesman said some patients may have been alarmed by questions regarding HIV infection tests to testing—and by being told the HIV infection must be reported to provincial health authorities.

*1996 independent research study

13*

OF DERMATOLOGISTS
RECOMMEND IVORY:

Dove

87*

OF DERMATOLOGISTS
RECOMMEND DOVE:

CONCLUSION:

IF ANY MORE DERMATOLOGISTS
RECOMMENDED DOVE FOR MILDNESS,
WE'D HAVE TO BUY ANOTHER PAGE.



Allan Fotheringham

Of poets and thugs

*The name you wear your name the name
We chased you through the market-place,
Man and boy and clearing by,
And loose we brought you shoulder high
My favourite poet of all time is A. E. Housman (1859-1936), who was a higher division clerk in the British Patent Office for 10 years before somehow becoming a professor of Latin and moving on to Cambridge.*

His classic "To an Adhesive Dying Young" was in his book *The Shipboard Lad*. As an admirer has written, the book "is learned in range and idea. Nature is not kind, love is untrust: men cheat and girls betray; lack, though lightness, drink and die; an occasional drum calls to a conflict without reason, a struggle without hope. Nevertheless, courage is dominant."

"To an Adhesive Dying Young" comes to mind, of course, with Marty McSorley, the thug hand of the National Hockey League only for his fine and then using a wooden club to become world-famous for his *Andy Warhol* 15 minutes.

*Sweet lad, in sleep between my
Firm fields where glory does not wane,
And early though the heart grows
It wakens quicker than the rose.*

The professional thugs—and the real players—in sport point out that their earning years are brief, and so they deserve their millions. Guys with other gifts in other professions—lawyers, doctors, some scribblers—can earn good moola up until the time they get the seasonal discount at the movies. Jokes don't have this privilege.

There are rare exceptions. Sir Stanley Matthews, The Wizard of the Dribble, died quietly just days ago at 85, the magical soccer right-winger who signed on for Stoke City at the age of 16 for five pounds a week. He played for England 54 times in international matches between 1934 and 1957 and played his last game, against Fulham, in 1965—five days past his 56th birthday, the oldest player ever in a First Division match.

His proudest accomplishment? He said that in his three-decade career he had never once been cautioned by a referee for a foul.

Gordie Howe, a similar freak as we know, used the chaquet elbow in hockey as being in there until he, proudly,

could play on the same team with his own two sons, a world-class achievement.

*Now you will not need the rose
Of buds that were their banner out,
Flowers whose measure eases
And the name died before the sun.*

It is no surprise, of course, that practically all the top 10 players in the NHL now are now European, Ford Bane of Russia and Jovan Jovic of the Czech Republic making such as McSorley look like kindergarten row that Gretzky is gone and Mario Lemieux as disguised as our clutch-and-grip game that he became an owner (someday).

This scribbler has two sons, along with a lovely daughter, and wears through the usual Canadian ritual of 6 a.m. Sunday-morning, laid hockey with the usual clutch of screaming mothers who drink berry and for breakfast and pocket-screaming, faked fathers trying to live out their lives through nine-year-old phonies.

Your scribbler was the usual Volunteer Father Timekeeper. The clubhouse me in the penalty box was the Volunteer Father Timekeeper, a chap named John Clapham who, apparently, went into banking somewhere and I've never heard of him since.

*So see, before it rubs fade,
The first just as the old of shade,
And hold to the last level up
The self-defended challenge-cap.*

No. 2 son, gifted with that effortless skating style given to Henri Richard and Larry Ruppert, still plays hockey in a men's beer league, renting ice in a suburban rink on an equally ridiculous time—10:15 p.m. He said his university mates arrive in the parking lot in BMWs and Panches, and are regularly changed by guys who arrive in pickup trucks.

No. 1 son, one bleary Sunday morning within inches of where Volunteer Father Timekeeper was standing in the penalty box, was blindsided into the boards by a 17-year-old incident drug, a Marty McSorley appearance. I thought his back probably was broken and I lost interest in minor-league hockey at that moment. 3rd Apps, where are you?

*And round that early-labeled head,
Will flock to gaze the struggling dead,
And find remembered on its carb
The godland briefest than a girl?
As Marty McSorley has just done*



Pay off your mortgage faster.

Pay off your mortgage and all your debts faster

Save thousands on interest
Manage your money easily

Manulife ONE is an all-in-one personal borrowing and chequing account that saves you money by helping you pay off all your debts faster.

And it's easy. It works by combining your mortgage, credit cards, and other loans with your savings, chequing account and your income.

With Manulife ONE you can pay off debt faster, save thousands in interest charges, and get at your money anytime.

Learn more about the reason to change to Manulife ONE.

Talk to a certified advisor to see how Manulife ONE works best in your financial plan, then decide for yourself.

Call 1-877-MANU111 for more information



reason to change.



Manulife Financial
Helping You Make Better Financial Decisions™

Manulife ONE and the ONE logo are trademarks of The Manulife Insurance Company.

AN IN-DEPTH LOOK AT GREAT COUPLES



LANCELOT & GUINEVERE

Their love killed King Arthur, crushed the Knights of the Round Table, and destroyed England. Now that's romance.



DESKPRO EP WITH MICROSOFT® OFFICE 2000 SMALL BUSINESS

SAVE \$115* Pentium® III Processor 600MHz • Integrated 16 bit sound • Upgradable to 768MB of RAM (64 standard) • Compaq intelligent manageability software



PEANUT BUTTER & CHOCOLATE

Peanut Butter and Chocolate officially got together in 1927. Jan was jealous for weeks.



ARMADA E500 WITH MICROSOFT® OFFICE 2000 SMALL BUSINESS AND LEXMARK OPTRA T612TN PRINTER

SAVE \$365* Pentium® III Processor 450MHz • Memory expandable to 512MB (64 standard) • Integrated 56k modem • RCA TV and SVID output ports for presentations



PICKLES & ICE CREAM

Actually, they don't go together. This is our trick pregnancy test. If you thought they did, call your obstetrician.



PROLIANT 1600 WITH MICROSOFT WINDOWS® 2000 SERVER AND 18.2 GB HOT PLUGGABLE IOK DRIVE

SAVE \$450* Pentium® III Processor 600MHz, dual processor capable • Integrated 100MB NIC • Integrated dual channel Ultra SCSI III controller • Hot plug drive cage

COMPAQ AND MICROSOFT HAVE COME TOGETHER TO GIVE YOU IMPRESSIVE REBATES, BUT ONLY UNTIL APRIL 30TH.

It just makes sense. Use the world's most reliable computers with the world's premier business software. If you happen to own or manage a small to medium business, these exclusive rebates are an opportunity not to be missed. For more details, visit us at www.compaq.ca/smb/rebate

24x7x COMPAQ

1-800-567-1616

LEXMARK

COMPAQ

Microsoft